

Product References

Clonetics™ Mammary Epithelial Cells

Cells⁺

1. Achison M, Boylan MT, Hupp TR, Spruce BA. HIF-1 α contributes to tumour-selective killing by the sigma receptor antagonist rimcazole. *Oncogene*. 2007; 26(8):1137-46.
2. Adler AS, Littlepage LE, Lin M, Kawahara TL, Wong DJ, Werb Z, Chang HY. CSN5 isopeptidase activity links COP9 signalosome activation to breast cancer progression. *Cancer Res*. 2008 Jan 15; 68(2):506-15.
3. Alarmo EL, Kuukasjärvi T, Karhu R, Kallioniemi A. A comprehensive expression survey of bone morphogenetic proteins in breast cancer highlights the importance of BMP4 and BMP7. *Breast Cancer Res Treat*. 2007 Jun; 103(2):239-46.
4. Alarmo EL, Rauta J, Kauraniemi P, Karhu R, Kuukasjärvi T, Kallioniemi A. Bone morphogenetic protein 7 is widely overexpressed in primary breast cancer. *Genes Chromosomes Cancer*. 2006; 45(4):411-9.
5. Banerjee S, Sengupta K, Dhar K, Mehta S, D'Amore PA, Dhar G, Banerjee SK. Breast cancer cells secreted platelet-derived growth factor-induced motility of vascular smooth muscle cells is mediated through neuropilin-1. *Mol Carcinog*. 2006; 45(11):871-80.
6. Basiji DA, Ortyl WE, Liang L, Venkatachalam V, Morrissey P. Cellular image analysis and imaging by flow cytometry. *Clin Lab Med*. 2007 Sep; 27(3):653-70, viii.
7. Belletti B, Vaidya JS, D'Andrea S, Entschladen F, Roncadin M, Lovat F, Berton S, Perin T, Candiani E, Reccanello S, Veronesi A, Canzonieri V, Trovò MG, Zaenker KS, Colombatti A, Baldassarre G, Massarut S. Targeted intraoperative radiotherapy impairs the stimulation of breast cancer cell proliferation and invasion caused by surgical wounding. *Clin Cancer Res*. 2008 Mar 1; 14(5):1325-32.
8. Bradley C, van der Meer R, Roodi N, Yan H, Chandrasekharan MB, Sun ZW, Mernaugh RL, Parl FF. Carcinogen-induced histone alteration in normal human mammary epithelial cells. *Carcinogenesis*. 2007 Oct; 28(10):2184-92.
9. Campanella GS, Grimm J, Manice LA, Colvin RA, Medoff BD, Wojtkiewicz GR, Weissleder R, Luster AD. Oligomerization of CXCL10 is necessary for endothelial cell presentation and in vivo activity. *J Immunol*. 2006 Nov 15; 177(10):6991-8.
10. Chada S, Mhashilkar AM, Liu Y, Nishikawa T, Bocangel D, Zheng M, Vorburger SA, Pataer A, Swisher SG, Ramesh R, Kawase K, Meyn RE, Hunt KK. mda-7 gene transfer sensitizes breast carcinoma cells to chemotherapy, biologic therapies and radiotherapy: correlation with expression of bcl-2 family members. *Cancer Gene Ther*. 2006; 13(5):490-502.
11. Chen LM, Chai KX. Prostatein serine protease inhibits breast cancer invasiveness and is transcriptionally regulated by promoter DNA methylation. *Int J Canc*. 2002; 97:223-9.
12. Cheng N, Brantley DM, Liu H, Lin Q, Enriquez M, Gale N, Yancopoulos G, Cerretti DP, Daniel TO, Chen J. Blockade of EphA receptor tyrosine kinase activation inhibits

- vascular endothelial cell growth factor-induced angiogenesis. *AACR*. 2002; 1:2-11.
13. Dasari A, Bartholomew JN, Volonte D, Galbiati F. Oxidative stress induces premature senescence by stimulating caveolin-1 gene transcription through p38 mitogen-activated protein kinase/Sp1-mediated activation of two GC-rich promoter elements. *Cancer Res*. 2006; 66(22):10805-14.
 14. DiRenzo J, Signoretti S, Nakamura N, Rivera-Gonzalez R, Sellers W, Loda M, Brown M. Growth factor requirements and basal phenotype of an immortalized mammary epithelial cell line. *Can Res*. 2002; 62:89-98.
 15. Fay MJ, Longo KA, Karathanasis GA, Shope DM, Mandernach CJ, Leong JR, Hicks A, Pherson K, Husain A. Analysis of CUL-5 expression in breast epithelial cells, breast cancer cell lines, normal tissues and tumor tissues. *Mol Canc*. 2003; 2:40-56.
 16. Ferguson AT, Evron E, Umbricht CB, Pandita TK, Chan TA, Hermeking H, Marks JR, Lambers AR, Futreal PA, Stampfer MR, Sukumar S. High frequency of hypermethylation at the 14-3-3 σ locus leads to gene silencing in breast cancer. *PNAS*. 2000 May; 97(11):6049-54.
 17. Fischbach C, Chen R, Matsumoto T, Schmelzle T, Brugge JS, Polverini PJ, Mooney DJ. Engineering tumors with 3D scaffolds. *Nat Methods*. 2007 Oct;4(10):855-60.
 18. Fung C, Lock R, Gao S, Salas E, Debnath J. Induction of Autophagy during Extracellular Matrix Detachment Promotes Cell Survival. *Mol Biol Cell*. 2008 Mar;19(3):797-806.
 19. Glendorf T, Knudsen L, Stidsen C, Hansen B, Hegelund A, Sorensen A, Nishimura E, Kjeldsen T. Systematic Evaluation of the Metabolic to Mitogenic Potency Ratio for B10-Substituted Insulin Analogues. *PlosOne*. 2012; 7(2):e29198.
 20. Goulet B, Sansregret L, Leduy L, Bogoyo M, Weber E, Chauhan SS, Nepveu A. Increased expression and activity of nuclear cathepsin L in cancer cells suggests a novel mechanism of cell transformation. *Mol Cancer Res*. 2007 Sep; 5(9):899-907.
 21. Guo Q, Tang W, Kokudo N, Sugawara Y, Miki K, Karako H, Qu X, Nakata M, Fujita-Yamaguchi Y, Makuuchi M. Epidermal growth factor-mediated growth control of confluent mammary epithelial cells cultured on artificial basement membrane. *Int J Mol Med*. 2005; 16:395-9.
 22. Guo X, Evans TR, Somanath S, Armesilla AL, Darling JL, Schatzlein A, Cassidy J, Wang W. In vitro evaluation of cancer-specific NF-kappaB-CEA enhancer-promoter system for 5-fluorouracil prodrug gene therapy in colon cancer cell lines. *Br J Cancer*. 2007 Sep; 97(6):745-54.
 23. Guo X, Ruiz A, Rando RR, Bok D, Gudas LJ. Esterification of all-trans-retinol in normal human epithelial cell strains and carcinoma lines from oral cavity, skin and breast: reduced expression of lecithin:retinol acyltransferase in carcinoma lines. *Carcinogen*. 2000; 21(11):1925-33.
 24. Ho M, Yang E, Marcuk G, Deng D, Sampas N, Tsalenko A, Tabibiazar R, Zhang Y, Chen M, Talbi S, Ho YD, Wang J, Tsao PS, Bendor A, Yakhini Z, Bruhn L, Quertermous T. Identification of endothelial cell genes by combined database mining and microarray analysis. *Physiol Genom*. 2003; 13:249-62.
 25. Huang P, Goff DA, Huang Q, Martinez A, Xu X, Crowder S, Issakani SD, Anderson E, Sheng N, Achacoso P, Yen A, Kinsella T, Darwish IS, Kolluri R, Hong H, Qu K, Stauffer E, Goldstein E, Singh R, Payan DG, Lu HH. Discovery and characterization of substituted diphenyl heterocyclic compounds as potent and selective inhibitors of hepatitis C virus replication. *Antimicrob Agents Chemother*. 2008 Apr; 52(4):1419-29.
 26. Irvine-Wilson CV, Chaudhuri G. Alternative initiation and splicing in dicer gene expression in human breast cells. *Brest Canc Res*. 2005 May 16; 7:R563-9.
 27. Jin H, Wang X, Ying J, Wong AH, Li H, Lee KY, Srivastava G, Chan AT, Yeo W, Ma BB, Putti TC, Lung ML, Shen ZY, Xu LY, Langford C, Tao Q. Epigenetic identification of ADAMTS18 as a novel 16q23.1 tumor suppressor frequently silenced in esophageal, nasopharyngeal and multiple other carcinomas. *Oncogene*. 2007 Nov 22; 26(53):7490-8.
 28. Kannemeier C, Liao R, Sun P. The RING finger domain of MDM2 is essential for MDM2-mediated TGF-beta resistance. *Mol Biol Cell*. 2007 Jun; 18(6):2367-77.
 29. Kattan Z, Marchal S, Brunner E, Ramacci C, Leroux A, Merlin JL, Domenjoud L, Dauça M, Becuwe P. Damaged DNA binding protein 2 plays a role in breast cancer cell growth. *PLoS ONE*. 2008 Apr 23; 3(4):e2002.
 30. Kemmis CM, Salvador SM, Smith KM, Welsh J. Human mammary epithelial cells

- express CYP27B1 and are growth inhibited by 25-hydroxyvitamin D-3, the major circulating form of vitamin D-3. *J Nutr.* 2006; 136(4):887-92.
31. Kim HT, Kong G, Denardo D, Li Y, Uray I, Pal S, Mohsin S, Hilsenbeck SG, Bissonnette R, Lamph WW, Johnson K, Brown PH. Identification of biomarkers modulated by the rexinoid LGD1069 (bexarotene) in human breast cells using oligonucleotide arrays. *Cancer Res.* 2006; 66(24):12009-18.
 32. Kowanetz M, Valcourt U, Bergstrom R, Heldin C-H, Moustakas A. Id2 and Id3 define the potency of cell proliferation and differentiation responses to transforming growth factor β and bone morphogenetic protein. *Mol Cell Biol.* 2004 May; 24(10): 4241-54.
 33. Kuhn I, Harden P, Bauzon M, Chartier C, Nye J, Thorne S, Reid T, Ni S, Lieber A, Fisher K, Seymour L, Rubanyi GM, Harkins RN, Hermiston TW. Directed evolution generates a novel oncolytic virus for the treatment of colon cancer. *PLoS ONE.* 2008 Jun 18; 3(6):e2409.
 34. Kumaraswamy S, Chinnaiyan P, Shankavaram UT, Lü X, Camphausen K, Tofilon PJ. Radiation-induced gene translation profiles reveal tumor type and cancer-specific components. *Cancer Res.* 2008 May 15; 68(10):3819-26.
 35. Kwok B, Yamauchi A, Rajesan R, Chan L, Dhillon U, Gao W, Xu H, Wang B, Takahashi S, Semple J, Tamai I, Nezu J, Tsuji A, Harper P, Ito S. Carnitine/xenobiotics transporters in the human mammary gland epithelia, MCF12A. *Am J Physiol Regul Integr Comp Physiol.* 2006; 290(3):R793-802.
 36. Lahiry L, Saha B, Chakraborty J, Bhattacharyya S, Chattopadhyay S, Banerjee S, Choudhuri T, Mandal D, Bhattacharyya A, Sa G, Das T. Contribution of p53-mediated Bax transactivation in theaflavin-induced mammary epithelial carcinoma cell apoptosis. *Apoptosis.* 2008 Jun; 13(6):771-81.
 37. Lau QC, Raja E, Salto-Tellez M, Liu Q, Ito K, Inoue M, Putti TC, Loh M, Ko TK, Huang C, Bhalla KN, Zhu T, Ito Y, Sukumar S. RUNX3 is frequently inactivated by dual mechanisms of protein mislocalization and promoter hypermethylation in breast cancer. *Cancer Res.* 2006; 66(13):6512-20.
 38. Laurance ME, Starr DB, Michelotti EF, Cheung E, Gonzalez C, Tam AW, Deikman J, Edwards CA, Bardwell AJ. Specific down-regulation of an engineered human cyclin D1 promoter by a novel DNA-binding ligand in intact cells. *Nuc Acids Res.* 2001; 29(3): 652-61.
 39. Lei X, Yang J, Nichols RW, Sun LZ. Abrogation of TGFbeta signaling induces apoptosis through the modulation of MAP kinase pathways in breast cancer cells. *Exp Cell Res.* 2007 May 1; 313(8):1687-95.
 40. Li C, Kato M, Shiue L, Shively JE, Ares M, Lin RJ. Cell type and culture condition-dependent alternative splicing in human breast cancer cells revealed by splicing-sensitive microarrays. *Cancer Res.* 2006; 66(4):1990-9.
 41. Li Y, Pan J, Li JL, Lee JH, Tunkey C, Saraf K, Garbe JC, Whitley MZ, Jelinsky SA, Stampfer MR, Haney SA. Transcriptional changes associated with breast cancer occur as normal human mammary epithelial cells overcome senescence barriers and become immortalized. *Mol Cancer.* 2007; 6:7.
 42. Li Y, Zhang Y, Hill J, Shen Q, Kim HT, Xu X, Hilsenbeck SG, Bissonnette RP, Lamph WW, Brown PH. The Rexinoid LG100268 prevents the development of preinvasive and invasive estrogen receptor negative tumors in MMTV-erbB2 mice. *Clin Cancer Res.* 2007 Oct 15; 13(20):6224-31.
 43. Lin HJ, Hsieh FC, Song H, Lin J. Elevated phosphorylation and activation of PDK-1/AKT pathway in human breast cancer. *Br J Canc.* 2005 Dec 12; 93(12):1372-81.
 44. Lin ML, Park JH, Nishidate T, Nakamura Y, Katagiri T. Involvement of maternal embryonic leucine zipper kinase (MELK) in mammary carcinogenesis through interaction with Bcl-G, a pro-apoptotic member of the Bcl-2 family. *Breast Cancer Res.* 2007; 9(1):R17.
 45. Liu Y, Deisseroth A. Oncolytic adenoviral vector carrying the cytosine deaminase gene for melanoma gene therapy. *Cancer Gene Ther.* 2006; 13(9):845-55.
 46. Liu Y, Ye T, Maynard J, Akbulut H, Deisseroth A. Engineering conditionally replication-competent adenoviral vectors carrying the cytosine deaminase gene increases the infectivity and therapeutic effect for breast cancer gene therapy. *Cancer Gene Ther.* 2006; 13(4):346-56.
 47. Lu M, Kwan T, Yu C, Chen F, Freedman B, Schafer JM, Lee E-J, Jameson JL, Jordan C, Cryns VL. Peroxisome proliferators-activated receptor γ agonists promote

- TRAIL-induced apoptosis by reducing survivin levels via cyclin D3 repression and cell cycle arrest. *J Biol Chem.* 2005; 280(8): 6742-51.
48. Lu Z, Lam KS, Wang N, Xu X, Cortes M, Andersen B. LMO4 can interact with Smad proteins and modulate transforming growth factor-beta signaling in epithelial cells. *Oncogene.* 2006 May 11; 25(20):2920-30.
 49. Mallette FA, Gaumont-Leclerc MF, Huot G, Ferbeyre G. Myc Down-regulation as a Mechanism to Activate the Rb Pathway in STAT5A-induced Senescence. *J Biol Chem.* 2007 Nov 30; 282(48):34938-44.
 50. Marini P, Schmid A, Jendrossek V, Faltin H, Daniel PT, Budach W, Belka C. Irradiation specifically sensitizes solid tumour cell lines to TRAIL mediated apoptosis. *BMC Canc.* 5(5).
 51. Mecham BH, Klus GT, Strovel J, Augustus M, Byrne D, Bozso P, Wetmore DZ, Mariani TJ, Kohane IS, Szallasi Z. Sequence-matched probes produce increased cross-platform consistency and more reproducible biological results in microarray-based gene expression measurements. *Nuc Acids Res.* 2004; 32(9):e74.
 52. Mhashilkar AM, Schrock RD, Hindi M, Liao J, Sieger K, Kourouma F, Zou-Yang H, Onishi E, Takh O, Vedvick TS, Fanger G, Stewart L, Watson GJ, Snary D, Risher PB, Saeki T, Roth JA, Ramesh R, Chada S. Melanoma differentiation associated gene-7 (mda-7): a novel anti-tumor gene for cancer gene therapy. *Mol Med.* 2001; 7(4):271-82.
 53. Mukherjee A, Westwell AD, Bradshaw TD, Stevens MFG, Carmichael J, Martin SG. Cytotoxic and antiangiogenic activity of AW464 (NSC 706704), a novel thioredoxin inhibitor: an in vitro study. 2005; *Br J Canc.* 92:350-8.
 54. Naryzhny SN, Lee H. Characterization of proliferating cell nuclear antigen (PCNA) isoforms in normal and cancer cells: there is no cancer-associated form of PCNA. *FEBS Lett.* 2007 Oct 16; 581(25):4917-20.
 55. Nguyen ML, Kraft RM, Blaho JA. Susceptibility of cancer cells to herpes simplex virus-dependent apoptosis. *J Gen Virol.* 2007 Jul; 88(Pt 7):1866-75.
 56. Overholtzer M, Zhang J, Smolen GA, Muir B, Li W, Sgroi DC, Deng CX, Brugge JS, Haber DA. Transforming properties of YAP, a candidate oncogene on the chromosome 11q22 amplicon. *Proc Natl Acad Sci U S A.* 2006; 103(33):12405-10.
 57. Park JH, Lin ML, Nishidate T, Nakamura Y, Katagiri T. PDZ-binding kinase/T-LAK cell-originated protein kinase, a putative cancer/testis antigen with an oncogenic activity in breast cancer. *Cancer Res.* 2006; 66(18):9186-95.
 58. Park KJ, Lee SH, Kim TI, Lee HW, Lee CH, Kim EH, Jang JY, Choi KS, Kwon MH, Kim YS. A human scFv antibody against TRAIL receptor 2 induces autophagic cell death in both TRAIL-sensitive and TRAIL-resistant cancer cells. *Cancer Res.* 2007 Aug 1; 67(15):7327-34.
 59. Partanen JI, Nieminen AI, Mäkelä TP, Klefstrom J. Suppression of oncogenic properties of c-Myc by LKB1-controlled epithelial organization. *Proc Natl Acad Sci U S A.* 2007 Sep 11; 104(37):14694-9.
 60. Patwardhan AJ, Strittmatter EF, Camp DG, Smith RD, Pallavicini MG. Quantitative proteome analysis of breast cancer cell lines using 18O-labeling and an accurate mass and time tag strategy. *Proteomics.* 2006; 6(9):2903-15.
 61. Perou CM, Jeffery SS, Van de Rijn M, Rees CA, Eisen MB, Ross DT, Pergamenschikov A, Williams CF, Zhu SX, Lee JCF, Lashkari D, Shalon D, Brown PO, Botstein. Distinctive gene expression patterns in human mammary epithelial cells and breast cancers. *PNAS.* 1999 Aug; 96:9212-7.
 62. Perrais M, Chen X, Perez-Moreno M, Gumbiner BM. E-cadherin homophilic ligation inhibits cell growth and epidermal growth factor receptor signaling independently of other cell interactions. *Mol Biol Cell.* 2007 Jun; 18(6):2013-25.
 63. Perry JK, Mohankumar KM, Emerald BS, Mertani HC, Lobie PE. The contribution of growth hormone to mammary neoplasia. *J Mammary Gland Biol Neoplasia.* 2008 Mar; 13(1):131-45.
 64. Pospisil P, Wang K, Al Aowad AF, Iyer LK, Adelstein SJ, Kassis AI. Computational modeling and experimental evaluation of a novel prodrug for targeting the extracellular space of prostate tumors. *Cancer Res.* 2007; 67(5):2197-205.
 65. Rackham O, Nichols SJ, Leedman PJ, Berners-Price SJ, Filipovska A. A gold(I) phosphine complex selectively induces apoptosis in breast cancer cells: implications for anticancer therapeutics targeted to mitochondria. *Biochem Pharmacol.* 2007 Oct 1; 74(7):992-1002.
 66. Rai R, Dai H, Multani AS, Li K, Chin K, Gray J, Lahad JP, Liang J, Mills GB, Meric-

- Bernstam F, Lin SY. BRIT1 regulates early DNA damage response, chromosomal integrity, and cancer. *Cancer Cell*. 2006; 10(2):145-57.
67. Ramachandra M, Rahman A, Zou A, Vaillancourt M, Howe JA, Antelman D, Sugarman B, Demers GW, Engler H, Johnson D, Shabram P. Re-engineering adenovirus regulatory pathways to enhance oncolytic specificity and efficacy. *Nat Biotech*. 2001 Nov; 19:1035-41.
68. Ramírez de Molina A, Sarmentero-Estrada J, Belda-Iniesta C, Tarón M, Ramírez de Molina V, Cejas P, Skrzypski M, Gallego-Ortega D, de Castro J, Casado E, García-Cabezas MA, Sánchez JJ, Nistal M, Rosell R, González-Barón M, Lacal JC. Expression of choline kinase alpha to predict outcome in patients with early-stage non-small-cell lung cancer: a retrospective study. *Lancet Oncol*. 2007 Oct; 8(10):889-97.
69. Ray R, Raychoudhuri A, Steele R, Nerurkar. Bitter Melon (*Momordica charantia*) Extract Inhibits Breast Cancer Cell Proliferation by Modulating Cell Cycle Regulatory Genes and Promotes Apoptosis. *Cancer Res*. 2010. 70(5):1925-1931.
70. Rodriguez V, Chen Y, Elkahloun A, Dutra A, Pak E, Chandrasekharappa S. Chromosome 8 BAC array comparative genomic hybridization and expression analysis identify amplification and overexpression of TRMT12 in breast cancer. *Genes Chromosomes Cancer*. 2007 Jul; 46(7):694-707.
71. Rodriguez-Gonzalez A, Ramirez de Molina A, Banez-Coronel M, Megias D, Lacal JC. Inhibition of choline kinase renders a highly selective cytotoxic effect in tumour cells through a mitochondrial independent mechanism. *Int J Oncol*. 2005; 26:999-1008.
72. Rusnak DW, Alligood KJ, Mullin RJ, Spehar GM, Arenas-Elliott C, Martin AM, Degenhardt Y, Rudolph SK, Haws TF Jr, Hudson-Curtis BL, Gilmer TM. Assessment of epidermal growth factor receptor (EGFR, ErbB1) and HER2 (ErbB2) protein expression levels and response to lapatinib (Tykerb, GW572016) in an expanded panel of human normal and tumour cell lines. *Cell Prolif*. 2007 Aug; 40(4):580-94.
73. Sequeira SJ, Ranganathan AC, Adam AP, Iglesias BV, Farias EF, Aguirre-Ghiso JA. Inhibition of proliferation by PERK regulates mammary acinar morphogenesis and tumor formation. *PLoS ONE*. 2007 Jul 18; 2(7):e615.
74. Shao G, Berenguer J, Borczuk AC, Powell CA, Hei TK, Zhao Y. Epigenetic inactivation of Betaig-h3 gene in human cancer cells. *Cancer Res*. 2006; 66(9): 4566-73.
75. Shen L, Kondo Y, Guo Y, Zhang J, Zhang L, Ahmed S, Shu J, Chen X, Waterland RA, Issa JP. Genome-wide profiling of DNA methylation reveals a class of normally methylated CpG island promoters. *PLoS Genet*. 2007 Oct 26; 3(10):2023-36.
76. Shimo A, Nishidate T, Ohta T, Fukuda M, Nakamura Y, Katagiri T. Elevated expression of protein regulator of cytokinesis 1, involved in the growth of breast cancer cells. *Cancer Sci*. 2007; 98(2):174-81.
77. Shimo A, Tanikawa C, Nishidate T, Lin ML, Matsuda K, Park JH, Ueki T, Ohta T, Hirata K, Fukuda M, Nakamura Y, Katagiri T. Involvement of kinesin family member 2C/mitotic centromere-associated kinesin overexpression in mammary carcinogenesis. *Cancer Sci*. 2008 Jan; 99(1):62-70.
78. Smith P, Nicholson LJ, Syed N, Payne A, Hiller L, Garrone O, Occelli M, Gasco M, Crook T. Epigenetic inactivation implies independent functions for insulin-like growth factor binding protein (IGFBP)-related protein 1 and the related IGFBPL1 in inhibiting breast cancer phenotypes. *Clin Cancer Res*. 2007 Jul 15; 13(14):4061-8.
79. Srinivasan D, Plattner R. Activation of Abl tyrosine kinases promotes invasion of aggressive breast cancer cells. *Cancer Res*. 2006; 66(11):5648-55.
80. Stoff-Khalili MA, Rivera AA, Nedeljkovic-Kurepa A, DeBenedetti A, Li XL, Odaka Y, Poddaturi J, Sibley DA, Siegal GP, Stoff A, Young S, Zhu ZB, Curiel DT, Mathis JM. Cancer-specific targeting of a conditionally replicative adenovirus using mRNA translational control. *Breast Cancer Res Treat*. 2008 Mar; 108(1):43-55.
81. Stoff-Khalili MA, Rivera AA, Stoff A, Michael Mathis J, Rocconi RP, Matthews QL, Numnum MT, Herrmann I, Dall P, Eckhoff DE, Douglas JT, Siegal GP, Zhu ZB, Curiel DT. Combining high selectivity of replication via CXCR4 promoter with fiber chimerism for effective adenoviral oncolysis in breast cancer. *Int J Cancer*. 2007; 120(4):935-41.
82. Su Z-Z, Madireddi MT, Lin JJ, Young CSH, Kitada S, Reed JC, Goldstein NI, Fisher PB. The cancer growth suppressor gene mda-7 selectively induces apoptosis in human breast cancer cells and inhibits tumor growth in nude mice. *PNAS*. 1998 Nov; 95:14400-5.

83. Subbarayan V, Xu X-C, Kim J, Yang P, Hoque A, Sabichi AL, Llansa N, Mendoza G, Logothetis CJ, Newman RA, Lippman SM, Menter DG. Inverse relationship between 15-lipoxygenase-2 and PPAR- γ gene expression in normal epithelia compared with tumor epithelia. *Neoplas*. 2005 Mar; 7(3):280-93.
84. Sun X, Zhou Y, Otto KB, Wang M, Chen C, Zhou W, Subramanian K, Vertino PM, Dong JT. Infrequent mutation of ATBF1 in human breast cancer. *J Cancer Res Clin Oncol*. 2007; 133(2):103-5.
85. Taibi G, Nicotra CM. Xanthine oxidase catalyzes the oxidation of retinol. *J Enzyme Inhib Med Chem*. 2007 Aug;22(4):471-6.
86. Takahata C, Miyoshi Y, Irahara N, Taguchi T, Tamaki Y, Noguchi S. Demonstration of adiponectin receptors 1 and 2 mRNA expression in human breast cancer cells. *Cancer Lett*. 2007 Jun 8; 250(2):229-36.
87. Tanaka T, Dancheck BL, Trifiletti LC, Birnkrant RE, Taylor BJ, Garfield SH, Thorgeirsson U, de Luca LM. Altered localization of retinoid X receptor α coincides with loss of retinoid responsiveness in human breast cancer MDA-MB-231 cells. *Mol Cell Biol*. 2004 May; 24(9):3972-82.
88. Thangaraju M, Gopal E, Martin PM, Ananth S, Smith SB, Prasad PD, Sterneck E, Ganapathy V. SLC5A8 triggers tumor cell apoptosis through pyruvate-dependent inhibition of histone deacetylases. *Cancer Res*. 2006; 66(24):11560-4.
89. Ueki T, Nishidate T, Park JH, Lin ML, Shimo A, Hirata K, Nakamura Y, Katagiri T. Involvement of elevated expression of multiple cell-cycle regulator, DTL/RAMP (denticleless/RA-regulated nuclear matrix associated protein), in the growth of breast cancer cells. *Oncogene*. 2008 Sep 25; 27(43):5672-83.
90. Wang G, Brennan C, Rook M, Wolfe JL, Leo C, Chin L, Pan H, Liu W-H, Price B, Makrigiorgos GM. Balanced-PCR amplification allows unbiased identification of genomic copy changes in minute cell and tissue samples. *Nuc Acids Res*. 2004; 32(9):e76.
91. Wang J, Shen WH, Jin YJ, Brandt-Rauf PW, Yin Y. A molecular link between E2F-1 and the MAPK cascade. *J Biol Chem*. 2007 Jun 22; 282(25):18521-31.
92. Wilson CJ, Si Y, Thompsons CM, Smellie A, Ashwell MA, Liu JF, Ye P, Yohannes D, Ng SC. Identification of a small molecule that induces mitotic arrest using a simplified high-content screening assay and data analysis method. *J Biomol Screen*. 2006; 11(1):21-8.
93. Wozniak RJ, Klimecki WT, Lau SS, Feinstein Y, Futscher BW. 5-Aza-2'-deoxycytidine-mediated reductions in G9A histone methyltransferase and histone H3 K9 di-methylation levels are linked to tumor suppressor gene reactivation. *Oncogene*. 2007; 26(1):77-90.
94. Wu K, DuPré E, Kim H, Tin-U CK, Bissonnette RP, Lamph WW, Brown PH. Receptor-selective retinoids inhibit the growth of normal and malignant breast cells by inducing G1 cell cycle blockade. *Breast Cancer Res Treat*. 2006; 96(2):147-57.
95. Yamamoto F, Yamamoto M. Scanning copy number and gene expression on the 18q21-qter chromosomal region by the systematic multiplex PCR and reverse transcription-PCR methods. *Electrophoresis*. 2007 Jun; 28(12):1882-95.
96. Yang Z-Y, Huang Y, Ganesh L, Leung K, Kong W-P, Schqartz O, Subbarao K, Nabel GJ. pH-dependent entry of severe acute respiratory syndrome coronavirus is mediated by the spike glycoprotein and enhanced by dendritic cell transfer through DC-SIGN. *J Virol*. 2004 Jun; 78(11):5642-50.
97. Yano H, Kobayashi I, Onodera Y, Luton F, Franco M, Mazaki Y, Hashimoto S, Iwai K, Ronai Z, Sabe H. Fbx8 Makes Arf6 Refractory to Function via Ubiquitination. *Mol Biol Cell*. 2008 Mar; 19(3):822-832.
98. You HJ, Bruinsma MW, How T, Ostrand JH, Blobel GC. The type III TGF- β receptor signals through both Smad3 and the p38 MAP kinase pathways to contribute to inhibition of cell proliferation. *Carcinogenesis*. 2007 Dec; 28(12):2491-500.
99. Zhang M, Fang X, Liu H, Guo R, Wu X, Li B, Zhu F, Ling Y, Griffith BN, Wang S, Yang D. Bioinformatics-based discovery and characterization of an AKT-selective inhibitor 9-chloro-2-methyllelpticinium acetate (CMEP) in breast cancer cells. *Cancer Lett*. 2007 Jul 18; 252(2):244-58.
100. Zhang YA, Nemunaitis J, Samuel SK, Chen P, Shen Y, Tong AW. Antitumor activity of an oncolytic adenovirus-delivered oncogene small interfering RNA. *Cancer Res*. 2006; 66(19):9736-43.
101. Zhu ZB, Chen Y, Makhija SK, Lu B, Wang M, Rivera AA, Yamamoto M, Wang S,

- Siegel GP, Curiel DT, McDonald JM. Survivin promoter-based conditionally replicative adenoviruses target cholangiocarcinoma. *Int J Oncol*. 2006; 29(5):1319-29.
102. Zhu ZB, Rivera AA, Makhija SK, Lu B, Wang M, Izumi M, Cerfolio RJ, Stoff-Khalili MA, Zhou F, Takayama K, Siegal GP, Curiel DT. Targeting lung cancer using an infectivity enhanced CXCR4-CRAAd. *Lung Cancer*. 2007 Feb; 55(2):145-56.
9. Kong BW, Foster LK, Foster DN. Establishment of an immortal turkey turbinate cell line suitable for avian metapneumovirus propagation. *Virus Res*. 2007 Jul; 127(1):106-15.
10. Larsson O, Li S, Issaenko OA, Avdulov S, Peterson M, Smith K, Bitterman PB, Polunovsky VA. Eukaryotic translation initiation factor 4E induced progression of primary human mammary epithelial cells along the cancer pathway is associated with targeted translational deregulation of oncogenic drivers and inhibitors. *Cancer Res*. 2007 Jul 15; 67(14):6814-24.
11. Leslie K, Lang C, Devgan G, Azare J, Berishaj M, Gerald W, Kim YB, Paz K, Darnell JE, Albanese C, Sakamaki T, Pestell R, Bromberg J. Cyclin D1 is transcriptionally regulated by and required for transformation by activated signal transducer and activator of transcription 3. *Cancer Res*. 2006; 66(5):2544-52.
12. Li N, Singh S, Cherukuri P, Li H, Yuan Z, Ellisen LW, Wang B, Robbins D, DiRenzo J. Reciprocal intraepithelial interactions between TP63 and hedgehog signaling regulate quiescence and activation of progenitor elaboration by mammary stem cells. *Stem Cells*. 2008 May; 26(5):1253-64.
13. Ljuslinder I, Malmer B, Golovleva I, Thomasson M, Grankvist K, Höckenström T, Emdin S, Jonsson Y, Hedman H, Henriksson R. Increased copy number at 3p14 in breast cancer. *Breast Cancer Res*. 2005; 7(5):R719-27.
14. Matthay MA, Thierry JP, Lafont F, Stampfer MF, Boyer B. Transient effect of epidermal growth factor on the motility of an immortalized mammary epithelial cell line. *Cell Sci*. 1993; 106:869-78.
15. Miller SL, Antico G, Raghunath PN, Tomaszewski JE, Clevenger CV. Nek3 kinase regulates prolactin-mediated cytoskeletal reorganization and motility of breast cancer cells. *Oncogene*. 2007 Jul 12; 26(32):4668-78.
16. Neilson LM, Zhu J, Xie J, Malabarba MG, Sakamoto K, Wagner KU, Kirken RA, Rui H. Coactivation of janus tyrosine kinase (Jak)1 positively modulates prolactin-Jak2 signaling in breast cancer: recruitment of ERK and signal transducer and activator of transcription (Stat)3 and enhancement of

Media

1. Bhattacharyya S, Tobacman JK. Steroid sulfatase, arylsulfatases A and B, galactose-6-sulfatase, and iduronate sulfatase in mammary cells and effects of sulfated and non-sulfated estrogens on sulfatase activity. *J Steroid Biochem Mol Biol*. 2007 Jan; 103(1):20-34.
2. Boeras DI, Granic A, Padmanabhan J, Crespo NC, Rojiani AM, Potter H. Alzheimer's presenilin 1 causes chromosome missegregation and aneuploidy. *Neurobiol Aging*. 2008 Mar; 29(3):319-28.
3. Caffarel MM, Sarrió D, Palacios J, Guzmán M, Sánchez C. Delta9-tetrahydrocannabinol inhibits cell cycle progression in human breast cancer cells through Cdc2 regulation. *Cancer Res*. 2006; 66(13):6615-21.
4. Cha JY, Lambert QT, Reuther GW, Der CJ. Involvement of fibroblast growth factor receptor 2 isoform switching in mammary oncogenesis. *Mol Cancer Res*. 2008 Mar; 6(3):435-45.
5. Garamszegi N, Garamszegi SP, Shehadeh LA, Scully SP. Extracellular matrix-induced gene expression in human breast cancer cells. *Mol Cancer Res*. 2009 Mar; 7(3):319-29.
6. Heinzman JM, Brower SL, Bush JE. Comparison of angiogenesis-related factor expression in primary tumor cultures under normal and hypoxic growth conditions. *Cancer Cell Int*. 2008 Jul 10 ;8:11.
7. Hubbard K, Catalano J, Puri RK, Ghatt A. Knockdown of TFIIS by RNA silencing inhibits cancer cell proliferation and induces apoptosis. *BMC Cancer*. 2008 May 12; 8:133.
8. Kirmiz C, Li B, An HJ, Clowers BH, Chew HK, Lam KS, Ferrige A, Alecio R, Borowsky AD, Sulaimon S, Lebrilla CB, Miyamoto S. A serum glycomics approach to breast cancer

- Akt and Stat5a/b pathways. *Mol Endocrinol*. 2007 Sep; 21(9):2218-32.
17. Nothelfer EM, Zitzmann-Kolbe S, Garcia-Boy R, Krämer S, Herold-Mende C, Altmann A, Eisenhut M, Mier W, Haberkorn U. Identification and characterization of a peptide with affinity to head and neck cancer. *J Nucl Med*. 2009 Mar; 50(3):426-34.
 18. Oberst MD, Beberman SJ, Zhao L, Yin JJ, Ward Y, Kelly K. TDAG51 is an ERK signaling target that opposes ERK-mediated HME16C mammary epithelial cell transformation. *BMC Cancer*. 2008 Jul 2; 8:189.
 19. Ostrander JH, Daniel AR, Lofgren K, Kleer CG, Lange CA. Breast tumor kinase (protein tyrosine kinase 6) regulates heregulin-induced activation of ERK5 and p38 MAP kinases in breast cancer cells. *Cancer Res*. 2007 May 1; 67(9):4199-209.
 20. Prasad NK, Tandon M, Badve S, Snyder PW, Nakshatri H. Phosphoinositol phosphatase SHIP2 promotes cancer development and metastasis coupled with alterations in EGF receptor turnover. *Carcinogenesis*. 2008 Jan; 29(1):25-34.
 21. Skelding KA, Barry RD, Shafren DR. Systemic targeting of metastatic human breast tumor xenografts by Coxsackievirus A21. *Breast Cancer Res Treat*. 2009 Jan; 113(1):21-30.
 22. Soundararajan S, Chen W, Spicer EK, Courtenay-Luck N, Fernandes DJ. The nucleolin targeting aptamer AS1411 destabilizes Bcl-2 messenger RNA in human breast cancer cells. *Cancer Res*. 2008 Apr 1; 68(7):2358-65.
 23. Stampfer MR, Bodnar A, Garbe J, Wong M, Pan A, Villeponteau B, Yasen P. Gradual phenotypic conversion associated with immortalization of cultured human mammary epithelial cells. *Mol Biol of the Cell*. 1997; 8: 2391-405.
 24. Xiang S, Coffelt SB, Mao L, Yuan L, Cheng Q, Hill SM. Period-2: a tumor suppressor gene in breast cancer. *J Circadian Rhythms*. 2008 Mar 11; 6:4.
 25. Zhang J, Pickering CR, Holst CR, Gauthier ML, Tlsty TD. p16INK4a modulates p53 in primary human mammary epithelial cells. *Cancer Res*. 2006; 66(21):10325-31.
 26. Zhang Y, Yang M, Portney NG, Cui D, Budak G, Ozbay E, Ozkan M, Ozkan CS. Zeta potential: a surface electrical characteristic to probe the interaction of nanoparticles with normal and cancer human breast epithelial cells. *Biomed Microdevices*. 2008 Apr; 10(2):321-8.
 27. Zhu S, Si ML, Wu H, Mo YY. MicroRNA-21 targets the tumor suppressor gene tropomyosin 1 (TPM1). *J Biol Chem*. 2007 May 11; 282(19):14328-36.
 28. Zhu W, Depamphilis ML. Selective killing of cancer cells by suppression of geminin activity. *Cancer Res*. 2009 Jun 1; 69(11):4870-7.

* References not specifically citing the use of Lonza cells, media, or reagents in their research.

+ Denotes sections containing only the articles published within the last ten years.