

## Product References

### Clonetics™ Astrocyte Cells

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#### Cells\*

1. Alonso MM, Cascallo M, Gomez-Manzano C, Jiang H, Bekele BN, Perez-Gimenez A, Lang FF, Piao Y, Alemany R, Fueyo J. ICOVIR-5 shows E2F1 addiction and potent antiglioma effect in vivo. *Cancer Res.* 2007 Sep 1; 67(17):8255-63.
2. Amantini C, Mosca M, Nabissi M, Lucciarini R, Caprodossi S, Arcella A, Giangaspero F, Santoni G. Capsaicin-induced apoptosis of glioma cells is mediated by TRPV1 vanilloid receptor and requires p38 MAPK activation. *J Neurochem.* 2007 Aug; 102(3):977-90.
3. Baldwin RM, Parolin DA, Lorimer IA. Regulation of glioblastoma cell invasion by PKC iota and RhoB. *Oncogene.* 2008 Jun 5; 27(25):3587-95.
4. Blanco A, Alvarez S, Fresno M, Muñoz-Fernández MA. Extracellular HIV-Tat induces cyclooxygenase-2 in glial cells through activation of nuclear factor of activated T cells. *J Immunol.* 2008 Jan 1; 180(1):530-40.
5. Bocchetta M, Elias S, De Marco MA, Rudzinski J, Zhang L, Carbone M. The SV40 large T antigen-p53 complexes bind and activate the insulin-like growth factor-I promoter stimulating cell growth. *Cancer Res.* 2008 Feb 15; 68(4):1022-9.
6. Boddaert J, Kinugawa K, Lambert JC, Boukhtouche F, Zoll J, Merval R, Blanc-Brude O, Mann D, Berr C, Vilar J, Garabedian B, Journiac N, Charue D, Silvestre JS, Duyckaerts C, Amouyel P, Mariani J, Tedgui A, Mallat Z. Evidence of a role for lactadherin in Alzheimer's disease. *Am J Pathol.* 2007; 170(3):921-9.
7. Brown RC, Cascia C, Papadopoulos V. Pathways of neurosteroid biosynthesis in cell lines from human brain: regulation of dehydropiandrosterone formation by oxidative stress and beta-amyloid peptide. *J Neurochem.* 2000 Feb; 74(2): 847-59.
8. Burdak-Rothkamm S, Short SC, Folkard M, Rothkamm K, Prise KM. ATR-dependent radiation-induced gamma H2AX foci in bystander primary human astrocytes and glioma cells. *Oncogene.* 2007; 26(7):993-1002.
9. Chi JH, Panner A, Cachola K, Crane CA, Murray J, Pieper RO, James CD, Parsa AT. Increased expression of the glioma-associated antigen ARF4L after loss of the tumor suppressor PTEN. Laboratory investigation. *J Neurosurg.* 2008 Feb;108(2):299-303.
10. Ching T-T, Maunakea A, Jun P, Hong C, Zardo G, Pinkel D, Albertson DG, Fridlyang J, Mao J-H, Shchors K, Weiss WA, Costello JF. Epigenome analyses using BAS microrarrays identify evolutionary conservation of tissue-specific methylation of SHANK3. *Nat Genet.* 2005 Jun; 37(6): 645-51.
11. Evans RJ, Wyllie FS, Wynford-Thomas D, Kipling D, Jones CJ. A P53-dependent, telomere-independent proliferative life span barrier in human astrocytes consistent with the molecular genetics of glioma development. *Canc Res.* 2003 Aug 15; 63: 4854-61.
12. Fanelli M, Caprodossi S, Ricci-Vitiani L, Porcellini A, Tomassoni-Ardori F, Amatori S, Andreoni F, Magnani M, De Maria R,

- Santoni A, Minucci S, Pelicci PG. Loss of pericentromeric DNA methylation pattern in human glioblastoma is associated with altered DNA methyltransferases expression and involves the stem cell compartment. *Oncogene*. 23 2008 Jan 10;27(3):358-65.
13. Fanton CP, McMahon M, Pieper RO. Dual growth arrest pathways in astrocytes and astrocytic tumors in response to Raf-1 activation. *J Biol Chem*. 2001 Jun 1; 276(22): 18871-7.
  14. Fender P, Jeanson L, Ivanov MA, Colin P, Mallet J, Dedieu JF, Latta-Mahieu M. Controlled transgene expression by E1-E4-defective adenovirus vectors harbouring a "tet-on" switch system. *J Gene Med*. 2002; 4(6): 668-75.
  15. Fischer W, Gustafsson L, Mossberg A-K, Gronli J, Mork S, Bjerkvig R, Svanborg C. Human  $\alpha$ -lactalbumin made lethal to tumor cells (HAMLET) kills human glioblastoma cells in brain xenografts by an apoptosis-like mechanism and prolongs survival. *Canc Res*. 2004; 64: 2105-12.
  16. Fueyo J, Alemany R, Gomez-Manzano C, Fuller GN, Khan A, Conrad CA, Liu T-J, Jiang H, Lemoine MG, Suzuki K, Sawaya R, Curiel DT, Yung WKA, Lang FF. Preclinical characterization of the antiglioma activity of a tropism-enhanced adenovirus targeted to the retinoblastoma pathway. *J Natl Cancer Inst*. 2003 May 7; 95(9): 652-60.
  17. Garcel A, Gout E, Timmins J, Chroboczek J, Fender P. Protein transduction into human cells by adenovirus dodecahedron using WW domains as universal adaptors. *J Gene Med*. 2006; 8(4): 524-31.
  18. Gutmann DH, Hedrick NM, Li J, Nagarajan R, Perry A, Watson MA. Comparative gene expression profile analysis of neurofibromatosis 1-associated and sporadic pilocytic astrocytomas. *Canc Res*. 2002 Apr 1; 62: 2085-91.
  19. Heckl S, Regenbogen M, Sturzu A, Gharabaghi A, Feil G, Beck A, Echner H, Nagele T. Value of apoptin's 40-amino-acid C-terminal fragment for the differentiation between human tumor and non-tumor cells. *Apoptosis*. 2008 Apr;13(4):495-508.
  20. Heni M, Hennige A, Peter A, Siegel-Axel D, Ordelheide A, Krebs N, Machicao F, Fritsche A, Haring H, Staiger H. Insulin Promotes Glycogen Storage and Cell Proliferation in Primary Human Astrocytes. 2011; 6(6):E21594.
  21. Hisaoka K, Takebayashi M, Tsuchioka M, Maeda N, Nakata Y, Yamawaki S. Antidepressants increase glial cell line-derived neurotrophic factor production through monoamine-independent activation of protein tyrosine kinase and extracellular signal-regulated kinase in glial cells. *J Pharmacol Exp Ther*. 2007; 321(1):148-57.
  22. Ho M, Yang E, Matcuk 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.
  23. Hoelzinger DB, Nakada M, Demuth T, Rosensteel T, Reavie LB, Berens ME. Autotaxin: a secreted autocrine/paracrine factor that promotes glioma invasion. *J Neurooncol*. 2008 Feb;86(3):297-309.
  24. Howe WE, Pang I-H, Clark AF. Isolation of stable human GFAP positive astrocyte cultures. Presented at ASCB.
  25. Hu B, Shi B, Jarzynka MJ, Yiin JJ, D'Souza-Schorey C, Cheng SY. ADP-ribosylation factor 6 regulates glioma cell invasion through the IQ-domain GTPase-activating protein 1-Rac1-mediated pathway. *Cancer Res*. 2009 Feb 1;69(3):794-801.
  26. Hussaini IM, Carpenter JE, Redpath GT, Sando JJ, Shaffrey ME, VandenBerg SR. Protein kinase C- $\eta$  regulates resistance to UV- and  $\gamma$ -irradiation-induced apoptosis in glioblastoma cells by preventing caspase-9 activation. *Neuro-Oncol*. 2002; 4(1): 9-21.
  27. Hwang JH, Smith CA, Salhia B, Rutka JT. The role of fascin in the migration and invasiveness of malignant glioma cells. *Neoplasia*. 2008 Feb;10(2):149-59.
  28. Ishikawa A, Yoshida H, Metoki N, Toki T, Imaizumi T, Matsumiya T, Yamashita K, Taima K, Satoh K. Edaravone inhibits the expression of vascular endothelial growth factor in human astrocytes exposed to hypoxia. *Neurosci Res*. 2007 Dec;59(4):406-12.
  29. Jiang H, Alemany R, Gomez-Manzano C, Medrano DR, Lemoine MG, Olson MV, Alonso MM, Lee O-H, Conrad CC, Yung WKA, Fueyo J. Downmodulation of E1A protein expression as a novel strategy to design cancer-selective adenovirus. *Neoplasia*. 2005 Aug; 7(8): 723-9.
  30. Jiang H, Gomez-Manzano C, Aoki H, Alonso MM, Kondo S, McCormick F, Xu J, Kondo Y, Bekele BN, Colman H, Lang FF, Fueyo J. Examination of the therapeutic potential of Delta-24-RGD in brain tumor stem cells: role

- of autophagic cell death. *J Natl Cancer Inst.* 2007 Sep 19;99(18):1410-4.
31. Joshi BH, Leland P, Asker A, Prayson RA, Varricchio F, Puri RK. In situ expression of interleukin-4 (IL-4) receptors in human brain tumors and cytotoxicity of a recombinant IL-2 cytotoxin in primary glioblastoma cell cultures. *Canc Res.* 2001; 61: 8058-61.
  32. Joshi BH, Plautz GE, Puri RK. Interleukin-13 receptor  $\alpha$  chain: a novel tumor-associated transmembrane protein in primary explants of human malignant gliomas. *Canc Res.* 2000; 60: 1168-72.
  33. Kang SM, Cho MS, Seo H, Yoon CJ, Oh SK, Choi YM, Kim DW. Efficient induction of oligodendrocytes from human embryonic stem cells. *Stem Cells.* 2007 Feb;25(2):419-24.
  34. Kobayashi K, Ohnishi A, Promsuk J, Shimizu S, Kanai Y, Shikawa Y, Nagane M. Enhanced tumor growth elicited by L-type amino acid transporter 1 in human malignant glioma cells. *Neurosurgery.* 2008 Feb;62(2):493-503; discussion 503-4.
  35. Kohno RI, Hata Y, Kawahara S, Kita T, Arita R, Mochizuki Y, Aiello LP, Ishibashi T. Possible contribution of hyalocytes to idiopathic epiretinal membrane formation and its contraction. *Br J Ophthalmol.* 2009 Aug;93(8):1020-6.
  36. Kramerov AA, Saghizadeh M, Pan H, Kabosova A, Montenarh M, Ahmed K, Penn JS, Chan CK, Hinton DR, Grant MB, Ljubimov AV. Expression of protein kinase CK2 in astroglial cells of normal and neovascularized retina. *Am J Pathol.* 2006;168(5):1722-36.
  37. Laczko R, Szauter KM, Jansen MK, Hollosi P, Muranyi M, Molnar J, Fong KS, Hinek A, Csiszar K. Active lysyl oxidase (LOX) correlates with focal adhesion kinase (FAK)/paxillin activation and migration in invasive astrocytes. *Neuropathol Appl Neurobiol.* 2007 Dec;33(6):631-43.
  38. Lal A, Peters H, St. Croix B, Haroon ZA, Dewhirst MW, Strausberg RL, Kaanders JHAM, van der Kogel AJ, Riggin GJ. Transcriptional response to hypoxia in human tumors. *J Natl Cancer Inst.* 2001 Sep 5; 93(17): 1337-43.
  39. Lally BE, Geiger GA, Kridel S, Arcury-Quandt AE, Robbins ME, Kock ND, Wheeler K, Peddi P, Georgakilas A, Kao GD, Koumenis C. Identification and biological evaluation of a novel and potent small molecule radiation sensitizer via an unbiased screen of a chemical library. *Cancer Res.* 2007 Sep 15;67(18):8791-9.
  40. Lau N, Uhlman EJ, Von Lintig FC, Nagy A, Boss GR, Gutmann DH, Guha A. Rap1 activity is elevated in malignant astrocytomas independent of tuberous sclerosis complex-2 gene expression. *Int J Oncol.* 2003; 22: 195-200.
  41. Li B, Yuan M, Kim IA, Chang CM, Bernhard EJ, Shu HK. Mutant epidermal growth factor receptor displays increased signaling through the phosphatidylinositol-3 kinase/AKT pathway and promotes radioresistance in cells of astrocytic origin. *Oncogene.* 2004 Jun; 23(26): 4594-602.
  42. Li J, Perry A, James CD, Gutmann DH. Cancer-related gene expression profiles in NF1-associated pilocytic astrocytomas. *Neurol.* 2001; 56: 885-90.
  43. Liang BC, Miller L, Weller A. Ethyl-nitrosourea transformed astrocytes exhibit mitochondrial membrane hyperpolarization and constrained apoptosis. *Apoptosis.* 1999 Apr; 4(2): 89-97.
  44. Mahajan SD, Schwartz SA, Shanahan TC, Chawda RP, Nair MPN. Morphine regulates gene expression of  $\alpha$ - and  $\beta$ -chemokines and their receptors on astroglial cells via the opioid  $\mu$  receptor. *J Immunol.* 2002; 169: 3589-99.
  45. Mercapide J, De Cicco RL, Bassi DE, Castrisana JS, Thomas G, Klein-Szanto AJP. Inhibition of furin-mediated processing results in suppression of astrocytoma cell growth and invasiveness. *Clin Can Res.* 2002 Jun; 8: 1740-6.
  46. Mizobuchi Y, Matsuzaki K, Kuwayama K, Kitazato K, Mure H, Kageji T, Nagahiro S. REIC/Dkk-3 induces cell death in human malignant glioma. *Neuro Oncol.* 2008 Jun;10(3):244-53.
  47. Mohyeldin A, Dalgard CL, Lu H, Mcfate T, Tait AS, Patel VC, Wong K, Rushing E, Roy S, Acs G, Verma A. Survival and invasiveness of astrocytomas promoted by erythropoietin. *J Neurosurg.* 2007 Feb;106(2):338-50.
  48. Nielsen HM, Veerhuis R, Holmqvist B, Janciauskiene S. Binding and uptake of A beta1-42 by primary human astrocytes in vitro. *Glia.* 2009 Jul;57(9):978-88.
  49. Nishikiori N, Osanai M, Chiba H, Kojima T, Mitamura Y, Ohguro H, Sawada N. Glial

- cell-derived cytokines attenuate the breakdown of vascular integrity in diabetic retinopathy. *Diabetes*. 2007 May;56(5):1333-40.
50. Nuutinen T, Huuskonen J, Suuronen T, Ojala J, Miettinen R, Salminen A. Amyloid-beta 1-42 induced endocytosis and clusterin/apoJ protein accumulation in cultured human astrocytes. *Neurochem Int*. 2007 Feb;50(3):540-7.
51. Ogiuchi T, Hirashima S, Endo S, Kurimoto M, Takaku A. Tissue factor and cancer procoagulant expressed by glioma cells participate in their thrombin-mediated proliferation. *J Neuro-Oncol*. 2000 Jan; 46(1): 1-9.
52. Oi S, Natsume A, Ito M, Kondo Y, Shimato S, Maeda Y, Saito K, Wakabayashi T. Synergistic induction of NY-ESO-1 antigen expression by a novel histone deacetylase inhibitor, valproic acid, with 5-aza-2'-deoxycytidine in glioma cells. *J Neurooncol*. 2009 Mar;92(1):15-22.
53. Okamoto I, Tsuiki H, Kenyon LC, Godwin AK, Emlet DR, Holgado-Madruga M, Lanham IS, Joynes CJ, Vo KT, Guha A, Matsumoto M, Ushio Y, Saya H, Wong AJ. Proteolytic cleavage of the CD44 adhesion molecule in multiple human tumors. *Amer J Pathol*. 2002; 160: 441-7.
54. Parajuli P, Joshee N, Rimando AM, Mittal S, Yadav AK. In vitro antitumor mechanisms of various *Scutellaria* extracts and constituent flavonoids. *Planta Med*. 2009 Jan;75(1):41-8.
55. Pilkington GJ, Parker K, Murray SA. Approaches to mitochondrially mediated cancer therapy. *Semin Cancer Biol*. 2008 Jun;18(3):226-35.
56. Piña-Oviedo S, Urbanska K, Radhakrishnan S, Sweet T, Reiss K, Khalili K, Del Valle L. Effects of JC virus infection on anti-apoptotic protein survivin in progressive multifocal leukoencephalopathy. *Am J Pathol*. 2007 Apr;170(4):1291-304.
57. Pore N, Liu S, Shu H-K, Li B, Haas-Kogan D, Stokoe D, Milanini-Mongiat J, Pages G, O'Rourke DM, Bernhard E, Maity A. Sp1 is involved in Akt-mediated induction of VEGF expression through an HIF-1-independent mechanism. *Mol Bio Cell*. 2004 Nov; 15(11): 4841-53.
58. Post DE, Sandberg EM, Kyle MM, Devi NS, Brat DJ, Xu Z, Tighiouart M, Van Meir EG. Targeted cancer gene therapy using a hypoxia inducible factor dependent oncolytic adenovirus armed with interleukin-4. *Cancer Res*. 2007 Jul 15;67(14):6872-81.
59. Qiu J, Ai L, Ramachandran C, Yao B, Gopalakrishnan S, Fields CR, Delmas AL, Dyer LM, Melnick SJ, Yachnis AT, Schwartz PH, Fine HA, Brown KD, Robertson KD. Invasion suppressor cystatin E/M (CST6): high-level cell type-specific expression in normal brain and epigenetic silencing in gliomas. *Lab Invest*. 2008 Sep;88(9):910-25.
60. Rahaman SO, Sharma P, Harbor PC, Aman MJ, Vogelbaum MA, Haque SJ. IL-13R $\alpha$ 2, a decoy receptor for IL-13 acts as an inhibitor of IL-4-dependent signal transduction in glioblastoma cells. *Canc Res*. 2002 Feb 15; 62: 1103-9.
61. Ren J, Jin P, Wang E, Marincola FM, Stroncek DF. MicroRNA and gene expression patterns in the differentiation of human embryonic stem cells. *J Transl Med*. 2009 Mar 23;7:20.
62. Rieske P, Augelli BJ, Stawski R, Gaughan J, Azizi SA, Krynska B. A population of human brain cells expressing phenotypic markers of more than one lineage can be induced in vitro to differentiate into mesenchymal cells. *Exp Cell Res*. 2009 Feb 1;315(3):462-73.
63. Rieske P, Azizi SA, Augelli B, Gaughan J, Krynska B. A population of human brain parenchymal cells express markers of glial, neuronal and early neural cells and differentiate into cells of neuronal and glial lineages. *Eur J Neurosci*. 2007; 25(1):31-7.
64. Rieske P, Golanska E, Zakrzewska M, Piaskowski S, Hulas-Bigoszewska K, Wolańczyk M, Szybka M, Witusik-Perkowska M, Jaskolski DJ, Zakrzewski K, Biernat W, Krynska B, Liberski PP. Arrested neural and advanced mesenchymal differentiation of glioblastoma cells-comparative study with neural progenitors. *BMC Cancer*. 2009 Feb 14;9:54.
65. Sarcar B, Kahali S, Prabhu A. Targeting Radiation-Induced G<sub>2</sub> Checkpoint Activation with the Wee-1 Inhibitor MK-1775 in Glioblastoma Cell Lines. *Mol Cancer Ther*. 2011; 10:2405-2414.
66. Sasai K, Akagi T, Aoyanagi E, Tabu K, Kaneko S, Tanaka S. O6-methylguanine-DNA methyltransferase is downregulated in transformed astrocyte cells: implications for anti-glioma therapies. *Mol Cancer*. 2007 Jun 5;6:36.

67. Sbalchiero E, Azzalin A, Palumbo S, Barbieri G, Arias A, Simonelli L, Ferretti L, Comincini S. Altered cellular distribution and sub-cellular sorting of doppel (Dpl) protein in human astrocytoma cell lines. *Cell Oncol.* 2008;30(4):337-47.
68. Sharma MK, Watson MA, Lyman M, Perry A, Aldape KD, Deak F, Gutmann DH. Matrilin-2 expression distinguishes clinically relevant subsets of pilocytic astrocytoma. *Neurol.* 2006; 66: 127-30.
69. Shervington A, Patel R, Lu C, Cruickshanks N, Lea R, Roberts G, Dawson T, Shervington L. Telomerase subunits expression variation between biopsy samples and cell lines derived from malignant glioma. *Brain Res.* 2007 Feb 23;1134(1):45-52.
70. Short SC, Martindale C, Bourne S, Brand G, Woodcock M, Johnston P. DNA repair after irradiation in glioma cells and normal human astrocytes. *Neuro Oncol.* 2007 Oct;9(4):404-11.
71. Sloan KE, Eustace BK, Stewart JK, Zehetmeier C, Torella C, Simesone M, Roy JE, Unger C, Louis DN, Ilag LL, Jay DG. CD 155/PVR plays a key role in cell motility during tumor cells invasion and migration. *BMC Canc.* 2004; 4(73).
72. Solomon DA, Kim JS, Jenkins S, Ransom H, Huang M, Coppa N, Mabanta L, Bigner D, Yan H, Jean W, Waldman T. Identification of p18 INK4c as a tumor suppressor gene in glioblastoma multiforme. *er Res.* 2008 Apr 15;68(8):2564-9.
73. Strelow L, Janigro D, Nelson JA. Persistent SIV infection of a blood-brain barrier model. *J NeuroVirol.* 2002 Aug; 8(4): 270-80.
74. Supriya MD, Schwartz SA, Shanahan TC, Chawda RP, Nair MPN. Morphine regulates gene expression of – and – chemokines and their receptors on astroglial cells via the  $\mu$  opioid receptor. *J Immunol.* 2002; 169: 3589-99.
75. Tanaka M, Shimbo T, Kikuchi Y, Matsuda M, Kaneda Y. Sterile alpha motif containing domain 9 is involved in death signaling of malignant glioma treated with inactivated Sendai virus particle (HVJ-E) or type I interferon. *Int. J. Cancer.* 2009; 126:1982-1999.
76. Taniura S, Kamitani H, Watanabe T, Eling TE. Transcriptional regulation of cyclooxygenase-1 by histone deacetylase inhibitors in normal human astrocyte cells. *J Biol Chem.* 2002 May 10; 277(19): 16823-30.
77. Tarasenko N, Cutts S, Phillips D, Inbal A, Nudelman A, Kessler-Icekson G, Rephaeli A. Disparate Impact of Butyroyloxymethyl Diethylphosphate (AN-7), a Histone Deacetylase Inhibitor, and Doxorubicin in Mice Bearing a Mammary Tumor. *PLoS One.* 2012; 7(2):e31393.
78. Taylor GA, Hudson E, Resau JH, Vande Woude GF. Regulation of P311 expression by met-hepatocyte growth factor/scatter gactor and the ubiquitin/proteasome system. *J Biol Chem.* 2000 Feb 11; 275(6): 4215-9.
79. Trouw LA, Nielsen HM, Minthon L, Londos E, Landberg G, Veerhuis R, Janciauskiene S, Blom AM. C4b-binding protein in Alzheimer's disease: binding to Abeta1-42 and to dead cells. *Mol Immunol.* 2008 Aug;45(13):3649-60.
80. Tyler MA, Ulasov IV, Borovjagin A, Sonabend AM, Khramtsov A, Han Y, Dent P, Fisher PB, Curiel DT, Lesniak MS. Enhanced transduction of malignant glioma with a double targeted Ad5/3-RGD fiber-modified adenovirus. *Mol Cancer Ther.* 2006; 5(9): 2408-16.
81. Villalonga-Planells R, Coll-Mulet L, Martinez-Soler F, Castano E, Acebes J, Gimenez-Bonafe P, Gil J, Tortosa A. Activation of p53 by Nutlin-3a Induces Apoptosis and Cellular Senescence in Human Glioblastoma Multiforme. *PLoS ONE.* 2011; 6(4):e18588.
82. Witusik-Perkowska M, Rieske P, Hulas-Bigoszewska K, Zakrzewska M, Stawski R, Kulczycka-Wojdala D, Bienkowski M, Stoczynska-Fidelus E, Gresner S, Piaskowski S, Jaskolski D, Papierz W, Zakrzewski K, Kolasa M, Ironside J, Liberski P. Glioblastoma-derived spheroid cultures as an experimental model for analysis of EGFR anomalies. *J Neurooncol.* 2011; 102:395-407.
83. Wu C, Lo SL, Boulaire J, Hong ML, Beh HM, Leung DS, Wang S. A peptide-based carrier for intracellular delivery of proteins into malignant glial cells in vitro. *J Control Release.* 2008 Sep 10;130(2):140-5.
84. Xie J, Nair A, Hermiston TW. A comparative study examining the cytotoxicity of inducible gene expression system ligands in different cell types. *Toxicol In Vitro.* 2008 Feb;22(1):261-6.
85. Yamada T, Sawada R, Tsuchiya T. The effect of sulfated hyaluronan on the

morphological transformation and activity of cultured human astrocytes. *Biomaterials*. 2008 Sep;29(26):3503-13.

86. Zeng WF, Navaratne K, Prayson RA, Weil RJ. Aurora B expression correlates with aggressive behaviour in glioblastoma multiforme. *J Clin Pathol*. 2007 ;60(2):218-21.
87. Zhang L, Sato E, Amagasaki K, Nakao A, Naganuma H. Participation of an abnormality in the transforming growth factor-beta signaling pathway in resistance of malignant glioma cells to growth inhibition induced by that factor. *J Neurosurg*. 2006; 105(1):119-28.
88. Zheng S, Ulasov IV, Han Y, Tyler MA, Zhu ZB, Lesniak MS. Fiber-knob modifications enhance adenoviral tropism and gene transfer in malignant glioma. *J Gene Med*. 2007 Mar;9(3):151-60.

## Custom Cells

1. Overholder ED, Coleman GD, Bennett JL, Casaday RJ, Zink MC, Barber SA, Clements JE. Expression of simian immunodeficiency virus (SIV) nef in astrocytes during acute and terminal infection and requirement if nef for optimal replication of neurovirulent SIV in vitro. *J Virol*. 2003 Jun; 77(12): 6855-66.
2. Overholser ED, Babas T, Zink MC, Barber SA, Clements JE. CD4-independent entry and replication of simian immunodeficiency virus in primary rhesus macaque astrocytes are regulated by the transmembrane protein. *J Virol*. 2005 Apr; 79(8): 4944-51.

\* 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.