

Product References

Poietics® Neural Progenitor Cells

Cells

1. Alexandrov PN, Zhao Y, Pogue AI, Tarr MA, Kruck TP, Percy ME, Cui JG, Lukiw WJ. Synergistic effects of iron and aluminum on stress-related gene expression in primary human neural cells. *J Alzheimers Dis.* 2005 Nov;8(2):117-27; discussion 209-15.
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. Bao S, Wu Q, Li Z, Sathornsumetee S, Wang H, McLendon RE, Hjelmeland AB, Rich JN. Targeting Cancer Stem Cells through L1CAM Suppresses Glioma Growth. *Cancer Research.* 1 August 2008. 68: 6043-6048.
4. Bazan NG, Lukiw WJ. Cyclooxygenase-2 and presenilin-1 gene expression induced by interleukin-1beta and amyloid beta 42 peptide is potentiated by hypoxia in primary human neural cells. *J Biol Chem.* 2002 Aug 16;277(33):30359-67.
5. Beghini A, Magnani I, Roversi G, Piepoli T, Di Terlizzi S, Moroni RF, Pollo B, Fuhrman Conti AM, Cowell JK, Finocchiaro G, Larizza L. The neural progenitor-restricted isoform of the MARK4 gene in 19q13.2 is upregulated in human gliomas and overexpressed in a subset of glioblastoma cell lines. *Oncogene.* 2003 May 1;22(17):2581-91.
6. *Brustle O, McKay RD. Neuronal progenitors as tools for cell replacement in the nervous system. *Curr Opin in Neurobiol.* 1996; 6: 688-95.
7. Cox S, Cole M, Mankarious S, Tawil N. Effect of tranexamic acid incorporated in fibrin sealant clots on the cell behavior of neuronal and nonneuronal cells. *J Neurosci Res.* 2003 Jun; 72(6): 734-46.
8. Cui JG, Salehi-Rad S, Rogaeva E, Lukiw WJ. Characterization of a cyclooxygenase-2-765G-->C promoter polymorphism in human neural cells. *Neuroreport.* 2005 Apr 25;16(6):575-9.
9. Davis BM, Humeau L, Slepishkin V, Binder G, Korshalla L, Ni Y, Ogunjimi EO, Chang L-F, Lu X, Dropulic. ABC transporter inhibitors that are substrates enhance lentiviral vector transduction into primitive hematopoietic progenitor cells. *Blood.* 2004 Jul; 104(2): 364-73.
10. Dietrich J, Blumberg BM, Roshal M, Baker JV, Hurley SD, Mayer-Proschel M, Mock DJ. Infection with an endemic human herpesvirus disrupts critical glial precursor cell properties. *J Neurosci.* 2004; 24(20): 4875-83.
11. Dietrich J, Han R, Yang Y, Mayer-Pröschel M, Noble M. CNS progenitor cells and oligodendrocytes are targets of chemotherapeutic agents in vitro and in vivo. *J Biol.* 2006;5(7):22.
12. Dietrich J, Noble M, Mayer-Proschel M. Characterization of A2B5+ glial precursor cells from cryopreserved human fetal brain progenitor cells. *Glia.* 2002 Oct;40(1):65-77.
13. Frimpong K, Spector SA. Cotransduction of nondividing cells using lentiviral vectors. *Gene Ther.* 2000 Sep;7(18):1562-9.
14. Fritsche E, Cline JE, Nguyen N-H, Scanlan TS, Abel J. Polychlorinated biphenyls disturb differentiation of normal human neural progenitor cells: clue for involvement of thyroid hormone receptors. *Environ Health Perspec.* 2005 Jul; 113(7): 871-6.
15. Garcia RA, Liu L, Hu Z, Gonzalez A, von Borstel RW, Saydoff JA. Severe cytochrome c oxidase inhibition in vivo does not induce a pyrimidine deficiency; neuroprotective action of oral uridine prodrug PN401 requires supraphysiological levels of uridine. *Brain Res.* 2005 Dec 20;1066(1-2):164-71.
16. Gerardo-Nava J, Führmann T, Klinkhammer K, Seiler N, Mey J, Klee D, Möller M, Dalton PD, Brook GA. Human neural cell

- interactions with orientated electrospun nanofibers in vitro. *Nanomed.* 2009 Jan;4(1):11-30.
17. Howe WE, Pang I-H, Clark AF. Isolation of stable human GFAP positive astrocyte cultures. Presented at ASCB.
 18. Krathwohl MD, Kaiser JL. Chemokines promote quiescence and survival of human neural progenitor cells. *Stem Cells.* 2004; 22: 109-18.
 19. Krathwohl MD, Kaiser JL. HIV-1 promotes quiescence in human neural progenitor cells. *J Infect Disease.* 2004; 190: 216.
 20. Kuwahara H, Araki N, Makino K, Masuko N, Honda S, kaibuchi K, Fukunaga K, miyamoto E, Ogawa M, Saya H. A novel NE-dlg/SAP102-associated protein, p51-nedasin, related to the amidohydrolase superfamily, interferes with the association between NE-dlg/SAP102 and N-methyl-D-aspartate receptor. *J Biol Chem.* 1999; 274(45): 32204-14.
 21. Lukiw WJ, Cui JG, Li YY, Culicchia F. Up-regulation of micro-RNA-221 (miRNA-221; chr Xp11.3) and caspase-3 accompanies down-regulation of the survivin-1 homolog BIRC1 (NAIP) in glioblastoma multiforme (GBM). *J Neurooncol.* 2009 Jan;91(1):27-32.
 22. Lukiw WJ, Percy ME, Kruck TP. Nanomolar aluminum induces pro-inflammatory and pro-apoptotic gene expression in human brain cells in primary culture. *J Inorg Biochem.* 2005 Sep;99(9):1895-8.
 23. Lukiw WJ, Pogue AI. Induction of specific micro RNA (miRNA) species by ROS-generating metal sulfates in primary human brain cells. *J Inorg Biochem.* 2007 Sep;101(9):1265-9.
 24. Maragakis NJ, Dietrich J, Wong V, Xue H, Mayer-Proschel M, Rao MS, Rothstein JD. Glutamate transporter expression and function in human glial progenitors. *Glia.* 2004 Jan; 45(2): 133-43.
 25. Marcheselli VL, Hong S, Lukiw WJ, Tian XH, Gronert K, Musto A, Hardy M, Gimenez JM, Chiang N, Serhan CN, Bazan NG. Novel docosanoids inhibit brain ischemia-reperfusion-mediated leukocyte infiltration and pro-inflammatory gene expression. *J Biol Chem.* 2003 Oct 31;278(44):43807-17.
 26. Messina DJ, Alder L, Tresco PA. Comparison of pure and mixed populations of human fetal-derived neural progenitors transplanted into intact adult rat brain. *Exp Neurol.* 2003 Dec;184(2):816-29.
 27. Miyashita K, Itoh H, Arai H, Suganami T, Sawada N, Fukunaga Y, Sone M, Yamahara K, Yurugi-Kobayashi T, Park K, Oyamada N, Sawada N, Taura D, Tsujimoto H, Chao TH, Tamura N, Mukoyama M, Nakao K. The neuroprotective and vasculo-neuro-regenerative roles of adrenomedullin in ischemic brain and its therapeutic potential. *Endocrinology.* 2006 Apr;147(4):1642-53.
 28. Moors M, Cline JE, Abel J, Fritsche E. ERK-dependent and -independent pathways trigger human neural progenitor cell migration. *Toxicol Appl Pharmacol.* 2007 May 15;221(1):57-67.
 29. Moroni RF, De Biasi S, Colapietro P, Larizza L, Beghini A. Distinct expression pattern of microtubule-associated protein/microtubule affinity-regulating kinase 4 in differentiated neurons. *Neuroscience.* 2006 Nov 17;143(1):83-94.
 30. Piper DR, Mujtaba T, Rao MS, Lucero MT. Immunocytochemical and physiological characterization of a population of cultured human neural precursors. *J Neurophysiol.* 2000 Jul;84(1):534-48.
 31. Riazanskaia N, Lukiw WJ, Grigorenko A, Korovaitseva G, Dvoryanchikov G, Moliaka Y, Nicolaou M, Farrer L, Bazan NG, Rogava E. Regulatory region variability in the human presenilin-2 (PSEN2) gene: potential contribution to the gene activity and risk for AD. *Mol Psychiatry.* 2002; 7(8):891-8.
 32. Richards GR, Kerby JE, Chan GK, Simpson PB. Automated cell plating and sample treatments for fixed cells in high content assays. *Methods Mol Biol.* 2007;356:109-19.
 33. Richards GR, Millard RM, Leveridge M, Kerby J, Simpson PB. Quantitative assays of chemotaxis and chemokinesis for human neural cells. *Oct 2004; 2(5): 465-72.*
 34. Salvioli R, Ricci-Vitiani L, Tatti M, Scarpa S, De Maria R, Vaccaro AM. The secretion and maturation of prosaposin and procathepsin D are blocked in embryonic neural progenitor cells. *Biochim Biophys Acta.* 2008 Feb 20.
 35. Satoh J, Obayashi S, Misawa T, Sumiyoshi K, Oosumi K, Tabunoki H. Protein microarray analysis identifies human cellular prion protein interactors. *Neuropathol Appl Neurobiol.* 2008 May 8. [Epub ahead of print]
 36. *Svendsen CN, Caldwell MA, Shen J, ter Borg MG, Rosser AE, Tyers P, Karmioli S, Dunnett SB. Long-term survival of human central nervous system progenitor cells

- transplanted into a rat model of Parkinson's disease. *Exp Neurol*. 1997; 00: 1-12.
37. Tanaka A, Kamiakito T, Hakamata Y, Fujii A, Kuriki K, Fukayama M. Extensive neuronal localization and neurotrophic function of fibroblast growth factor 8 in the nervous system. *Brain Res*. 2001 Sep 7;912(2):105-15.
 38. Tanikawa C, Matsuda K, Fukuda S, Nakamura Y, Arakawa H. p53RDL1 regulates p53-dependent apoptosis. *Nature Cell Biol*. 2003 Mar; 5(3): 216-33.
 39. *Temple S, Xueming Q. Vertebrate neural progenitor cells: subtypes add regulation. *Curr Opin in Neurobiol*. 1996; 6: 11-7.
 40. Tondreau T, Meuleman N, Delforge A, Dejeneffe M, Leroy R, Massy M, Mortier C, Bron D, Lagneaux L. Mesenchymal stem cells derived from CD133-positive cells in mobilized peripheral blood and cord blood: proliferation, Oct4 expression, and plasticity. *Stem Cells*. 2005 Sep; 23(8):1105-12.
 41. Zawlik I, Zakrzewska M, Witusik M, Golanska E, Kulczycka-Wojdala D, Szybka M, Piaskowski S, Wozniak K, Zakrzewski K, Papierz W, Liberski PP, Rieske P. KCTD11 expression in medulloblastoma is lower than in adult cerebellum and higher than in neural stem cells. *Cancer Genet Cytogenet*. 2006 Oct 1;170(1):24-8.

Media

1. Aleksandrova MA, Poltavtseva RA, Revishchin AV, Korochkin LI, Sukhikh GT. Development of neural stem/progenitor cells from human brain by transplantation into the brains of adult rats. *Neurosci and Behavioral Physiol*. 2004; 34(7): 659-62.
2. Aleksandrova MA, Saburina IN, Poltavtseva RA, Revishchin AV, Korochkin LI, Sukhikh GT. Behavior of human neural progenitor cells transplanted to rat brain. *Brain Res Dev Brain Res*. 2002 Mar 31;134(1-2):143-8.
3. Tian C, Murrin LC, Zheng JC. Mitochondrial fragmentation is involved in methamphetamine-induced cell death in rat hippocampal neural progenitor cells. *PLoS One*. 2009;4(5):e5546.

* 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.