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GPM6A Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12829b

Specification

GPM6A Antibody (C-term) Blocking peptide - Product Information

Primary Accession	P51674
Other Accession	NP_963886.1, NP_005268.1, NP_963885.1

GPM6A Antibody (C-term) Blocking peptide - Additional Information

Gene ID 2823

Other Names
Neuronal membrane glycoprotein M6-a, M6a, GPM6A, M6A

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GPM6A Antibody (C-term) Blocking peptide - Protein Information

Name GPM6A

Synonyms M6A

Function
Involved in neuronal differentiation, including differentiation and migration of neuronal stem cells. Plays a role in neuronal plasticity and is involved in neurite and filopodia outgrowth, filopodia motility and probably synapse formation. GPM6A-induced filopodia formation involves mitogen-activated protein kinase (MAPK) and Src signaling pathways. May be involved in neuronal NGF-dependent Ca(2+) influx. May be involved in regulation of endocytosis and intracellular trafficking of G-protein-coupled receptors (GPCRs); enhances internalization and recycling of mu-type opioid receptor.

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:P35802}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P35802}. Cell projection, axon {ECO:0000250|UniProtKB:P35802}. Cell projection, growth cone {ECO:0000250|UniProtKB:P35802}. Cell projection, dendritic spine {ECO:0000250|UniProtKB:Q812E9}. Cell projection, filopodium {ECO:0000250|UniProtKB:Q812E9}. Cell projection, neuron projection {ECO:0000250|UniProtKB:Q812E9}. Note=Localizes to cholesterol-rich lipid rafts of the plasma

membrane of hippocampal neurons. Localized to plasma membrane of cell bodies and neurites of hippocampal neurons Localized in membrane protrusions (filopodia and spines) of primary hippocampal neurons (By similarity). Localized to the growth cone edge membrane of elongating axons (By similarity) {ECO:0000250|UniProtKB:P35802, ECO:0000250|UniProtKB:Q812E9}

GPM6A Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

GPM6A Antibody (C-term) Blocking peptide - Images

GPM6A Antibody (C-term) Blocking peptide - References

Morrison, A.C., et al. Circ Cardiovasc Genet 3(3):248-255(2010)Rose, J. Phd, et al. Mol. Med. (2010) In press :Michibata, H., et al. Stem Cells Dev. 18(4):629-639(2009)Boks, M.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 147B (6), 707-711 (2008) :Liang, Y.J., et al. Cell Res. 18(7):768-779(2008)