

GPM6A Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9341b**Specification**

**GPM6A Antibody (C-term) Blocking Peptide -
Product Information**Primary Accession [P51674](#)**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)**GPM6A Antibody (C-term) Blocking
Peptide - References**Michibata,H. Stem Cells Dev. 18 (4), 629-639
(2009)Boks,M.P. Am. J. Med. Genet. B
Neuropsychiatr. Genet. 147B (6), 707-711
(2008)Liang,Y.J. Cell Res. 18 (7), 768-779
(2008)

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](#)