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MAGI2 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP21243b

Specification

MAGI2 Blocking Peptide (C-term) - Product Information

Primary Accession Q86UL8

MAGI2 Blocking Peptide (C-term) - Additional Information

Gene ID 9863

Other Names
Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 2, Atrophin-1-interacting protein 1, AIP-1, Atrophin-1-interacting protein A, Membrane-associated guanylate kinase inverted 2, MAGI-2, MAGI2, ACVRINP1, AIP1, KIAA0705

Target/Specificity
The synthetic peptide sequence is selected from aa 1123-1136 of HUMAN MAGI2

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.

MAGI2 Blocking Peptide (C-term) - Protein Information

Name MAGI2

Synonyms ACVRINP1, AIP1, KIAA0705

MAGI2 Blocking Peptide (C-term) - Background

Seems to act as scaffold molecule at synaptic junctions by assembling neurotransmitter receptors and cell adhesion proteins. May play a role in regulating activin-mediated signaling in neuronal cells. Enhances the ability of PTEN to suppress AKT1 activation. Plays a role in nerve growth factor (NGF)-induced recruitment of RAPGEF2 to late endosomes and neurite outgrowth.

MAGI2 Blocking Peptide (C-term) - References

Wood J.D.,et al.Mol. Cell. Neurosci. 11:149-160(1998).
Ishikawa K.,et al.DNA Res. 5:169-176(1998).
Hillier L.W.,et al.Nature 424:157-164(2003).
Scherer S.W.,et al.Science 300:767-772(2003).
Wu X.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:4233-4238(2000).

Function
Seems to act as scaffold molecule at synaptic junctions by assembling neurotransmitter receptors and cell adhesion proteins. May play a role in regulating activin-mediated signaling in neuronal cells. Enhances the ability of PTEN to suppress AKT1 activation. Plays a role in nerve growth factor (NGF)-induced recruitment of RAPGEF2 to late endosomes and neurite outgrowth.

Cellular Location
Cytoplasm. Late endosome. Cell junction, synapse, synaptosome. Cell membrane; Peripheral membrane protein Note=Localized diffusely in the cytoplasm before nerve growth factor (NGF) stimulation. Recruited to late endosomes after NGF stimulation Membrane-associated in synaptosomes (By similarity).

Tissue Location
Specifically expressed in brain.

MAGI2 Blocking Peptide (C-term) - Protocols

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

- Blocking Peptides