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PLXNB1 Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP21403b

Specification

PLXNB1 Blocking Peptide (C-term) - Product Information

Primary Accession O43157

PLXNB1 Blocking Peptide (C-term) - Additional Information

Gene ID 5364

Other Names
Plexin-B1, Semaphorin receptor SEP, PLXNB1, KIAA0407, PLXN5, SEP

Target/Specificity
The synthetic peptide sequence is selected from aa 1715-1729 of HUMAN PLXNB1

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.

PLXNB1 Blocking Peptide (C-term) - Protein Information

Name PLXNB1

Synonyms KIAA0407, PLXN5, SEP

Function
Receptor for SEMA4D (PubMed:19843518, PubMed:20877282, PubMed:21912513). Plays a role in GABAergic synapse development (By similarity). Mediates SEMA4A- and SEMA4D-dependent inhibitory synapse development (By similarity). Plays a role in RHOA activation and subsequent changes of the actin cytoskeleton (PubMed:12196628, PubMed:15210733). Plays a role in axon guidance, invasive growth and cell migration (PubMed:12198496).

Cellular Location
[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Isoform 3]: Secreted

Tissue Location
Highly expressed in fetal kidney, and at slightly lower levels in fetal brain, lung and liver

PLXNB1 Blocking Peptide (C-term) - Protocols

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

- Blocking Peptides

PLXNB1 Blocking Peptide (C-term) - Images

PLXNB1 Blocking Peptide (C-term) - Background

Receptor for SEMA4D. Plays a role in RHOA activation and subsequent changes of the actin cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration.

PLXNB1 Blocking Peptide (C-term) - References

Ishikawa K.,et al.DNA Res. 4:307-313(1997).
Tamagnone L.,et al.Cell 99:71-80(1999).
Tamagnone L.,et al.Cell 104:321-321(2001).
Maestrini E.,et al.Proc. Natl. Acad. Sci. U.S.A. 93:674-678(1996).
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