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M Sema5a Antibody Blocking peptide

Synthetic peptide
Catalog # BP2712b

Specification

M Sema5a Antibody Blocking peptide - Product Information

Primary Accession	Q13591
Other Accession	Q3UPZ0

M Sema5a Antibody Blocking peptide - Additional Information

Gene ID 9037

Other Names
Semaphorin-5A, Semaphorin-F, Sema F, SEMA5A, SEMAF

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2712b was selected from the C-term region of human Sema5a. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

M Sema5a Antibody Blocking peptide - Protein Information

Name SEMA5A

Synonyms SEMAF

Function
Bifunctional axonal guidance cue regulated by sulfated proteoglycans; attractive effects result from interactions with heparan sulfate proteoglycans (HSPGs), while the inhibitory effects depend on interactions with chondroitin sulfate proteoglycans (CSPGs) (By similarity). Ligand for receptor PLXNB3. In glioma cells, SEMA5A stimulation of PLXNB3 results in the disassembly of F-actin stress fibers, disruption of focal adhesions and cellular collapse as well as inhibition of cell migration and invasion through ARHGDIA-mediated inactivation of RAC1. May promote angiogenesis by increasing endothelial cell proliferation and migration and inhibiting apoptosis.

Cellular Location

Membrane; Single-pass type I membrane protein.

M Sema5a Antibody Blocking peptide - Protocols

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

- Blocking Peptides

M Sema5a Antibody Blocking peptide - Images

M Sema5a Antibody Blocking peptide - Background

Members of the semaphorin protein family, such as SEMA5A, are involved in axonal guidance during neural development.

M Sema5a Antibody Blocking peptide - References

Bialecka,M., Neurosci. Lett. 399 (1-2), 121-123 (2006)Melin,M., Neuropsychobiology 54 (1), 64-69 (2006)