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SEMA6A Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP2740b

Specification

SEMA6A Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q9H2E6

SEMA6A Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 57556

Other Names
Semaphorin-6A, Semaphorin VIA, Sema VIA, Semaphorin-6A-1, SEMA6A-1, SEMA6A, KIAA1368, SEMAQ

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2740b was selected from the C-term region of human SEMA6A. 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.

SEMA6A Antibody (C-term) Blocking Peptide - Protein Information

Name SEMA6A

Synonyms KIAA1368, SEMAQ

Function
Cell surface receptor for PLXNA2 that plays an important role in cell-cell signaling. Required for normal granule cell migration in the developing cerebellum. Promotes reorganization of the actin cytoskeleton and plays an important role in axon guidance in the developing central nervous system. Can act as repulsive axon guidance cue. Has repulsive action towards migrating granular neurons. May play a role in channeling sympathetic axons into the sympathetic chains and controlling the temporal sequence of sympathetic target innervation.

Cellular Location
Cell membrane; Single-pass type I membrane protein

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SEMA6A Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

SEMA6A Antibody (C-term) Blocking Peptide - Images

SEMA6A Antibody (C-term) Blocking Peptide - Background

SEMA6A can act as repulsive axon guidance cues. It may play a role in channeling sympathetic axons into the sympathetic chains and controlling the temporal sequence of sympathetic target innervation.

SEMA6A Antibody (C-term) Blocking Peptide - References

Prislei,S., Mol. Cancer Ther. 7 (1), 233-241 (2008)Katoh,M., Int. J. Mol. Med. 20 (3), 405-409 (2007)Gautier,G., Am. J. Pathol. 168 (2), 453-465 (2006)