10320 Camino Santa Fe, Suite G
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SEMA6D Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP16895a

Specification

SEMA6D Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q8NFY4

SEMA6D Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 80031

Other Names
Semaphorin-6D, SEMA6D, KIAA1479

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.

SEMA6D Antibody (N-term) Blocking Peptide - Protein Information

Name SEMA6D

Synonyms KIAA1479

Function
Shows growth cone collapsing activity on dorsal root ganglion (DRG) neurons in vitro. May be a stop signal for the DRG neurons in their target areas, and possibly also for other neurons. May also be involved in the maintenance and remodeling of neuronal connections.

Cellular Location
[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Isoform 3]: Cell membrane; Single-pass type I membrane protein [Isoform 5]: Cell membrane; Single-pass type I membrane protein

SEMA6D Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

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SEMA6D Antibody (N-term) Blocking Peptide - Images

SEMA6D Antibody (N-term) Blocking Peptide - Background

Semaphorins are a large family, including both secretedand membrane associated proteins, many of which have beenimplicated as inhibitors or chemorepellents in axon pathfinding,fasciculation and branching, and target selection. All semaphorinspossess a semaphorin (Sema) domain and a PSI domain (found inplexins, semaphorins and integrins) in the N-terminal extracellularportion. Additional sequence motifs C-terminal to the semaphorindomain allow classification into distinct subfamilies. Resultsdemonstrate that transmembrane semaphorins, like the secreted ones,can act as repulsive axon guidance cues. This gene encodes a class6 vertebrate transmembrane semaphorin that demonstrates alternativesplicing. Several transcript variants have been identified andexpression of the distinct encoded isoforms is thought to beregulated in a tissue- and development-dependent manner. [providedby RefSeq].

SEMA6D Antibody (N-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Stokowski, R.P., et al. Am. J. Hum. Genet. 81(6):1119-1132(2007)Zhao, X.Y., et al. World J. Gastroenterol. 12(45):7388-7390(2006)Takegahara, N., et al. Nat. Cell Biol. 8(6):615-622(2006)