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Olfm1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP2719a

Specification

Olfm1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q99784

Olfm1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 10439

Other Names
Noelin, Neuronal olfactomedin-related ER localized protein, Olfactomedin-1, OLFM1, NOE1, NOEL1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2719a was selected from the N-term region of human Olfm1. 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.

Olfm1 Antibody (N-term) Blocking Peptide - Protein Information

Name OLFM1

Synonyms NOE1, NOEL1

Function
Contributes to the regulation of axonal growth in the embryonic and adult central nervous system by inhibiting interactions between RTN4R and LINGO1. Inhibits RTN4R-mediated axon growth cone collapse (By similarity). May play an important role in regulating the production of neural crest cells by the neural tube (By similarity). May be required for normal responses to olfactory stimuli (By similarity).

Cellular Location
Secreted {ECO:0000250|UniProtKB:O88998}. Synapse {ECO:0000250|UniProtKB:O88998}. Endoplasmic reticulum {ECO:0000250|UniProtKB:O88998}. Cell projection, axon {ECO:0000250|UniProtKB:O88998}. Perikaryon {ECO:0000250|UniProtKB:O88998}

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Olfm1 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

Olfm1 Antibody (N-term) Blocking Peptide - Images

Olfm1 Antibody (N-term) Blocking Peptide - Background

Olfm1 shares extensive sequence similarity with the rat neuronal olfactomedin-related ER localized protein. While the exact function of this protein is not known, its abundant expression in brain suggests that it may have an essential role in nerve tissue. Several alternatively spliced transcripts encoding different isoforms have been found for the gene for Olfm1.

Olfm1 Antibody (N-term) Blocking Peptide - References

Yokoyama M.,DNA Res. 3:311-320(1996).Yu W., Genome Res. 7:353-358(1997).Liu T.,J. Proteome Res. 4:2070-2080(2005).