10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Olfm1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2719b

Product Information

Application	WB, E
Primary Accession	Q99784
Other Accession	Q62609, O88998, Q9IAK4
Reactivity	Human
Predicted	Chicken, Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB8994
Calculated MW	55343
Antigen Region	434-463

Additional Information

Gene ID	10439
Other Names	Noelin, Neuronal olfactomedin-related ER localized protein, Olfactomedin-1, OLFM1, NOE1, NOEL1
Target/Specificity	This Olfm1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 434-463 amino acids from the C-terminal region of human Olfm1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Olfm1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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}

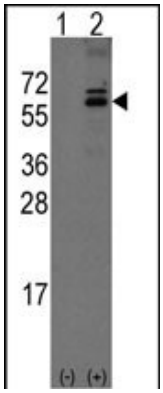
Background

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.

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).

Images



Western blot analysis of Noelin-1(Olfm1) (arrow) using rabbit polyclonal Noelin-1(Olfm1) Antibody (C-term) (Cat.#AP2719b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the Noelin-1(Olfm1) gene (Lane 2) (Origene Technologies).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.