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# Noelin Rabbit pAb

Catalog # AP99006

## Product Information

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| **Application** | IHC-P, IHC-F, IF, E |
| **Primary Accession** | Q99784 |
| **Other Accession** | Q99784 |
| **Predicted** | Rat, Human, Mouse, Chicken, Horse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 55343 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human Noelin |
| **Epitope Specificity** | 101-200/485 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SIMILARITY** | Contains 1 olfactomedin-like domain. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | The Olfactomedin family comprises a diverse group of secreted glycoproteins, which includes OLFM1 (Noelin-1), OLFM2 (Noelin-2), OLFM3 (Noelin-3), OLFM4 (Noelin-4), tiarin, pancortin, gliomedin and mycocilin. These proteins are implicated in the development of the nervous system. Specifically, OLFM1 and OLFM2 expression is observed in the neural plate and neural crest, as well as in the cranial ganglia in mouse at E8-10, and later in brain tissue and in the zone of polarizing activity in the limb. Overexpression of OLFM1 causes an excess of neural crest emigrations and prolonged neural crest production. OLFM2 participates in the regulation of the development of the anterior nervous system. An Arg144Gln mutation in OLFM2 has been implicated as a possible cause for open-angle glaucoma (OAG). |

## Additional Information

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| **Gene ID** | 10439 |
| **Other Names** | NOEL; NOEL1; NOELIN-1; olfactomedin-1; AMY; NOE1; NOELIN1; OlfA; Pancortin; Pancortin3; D2Sut1e; NOE1_CHICK; OLFM1; Neuronal olfactomedin-related ER localized protein; NOE1_HUMAN; NOE1_MOUSE; NOE1_RAT; 1B426B; olfactomedin 1; noelin |
| **Dilution** | IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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| **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} |

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