

OPALIN/TMEM10 Rabbit pAb

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Catalog # AP57868

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q96PE5
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15683
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human OPALIN/TMEM10
Epitope Specificity	31-110/141
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
SUBCELLULAR LOCATION	Cell membrane. In the CNS, enriched in the myelin paranodal and inner loop membranes, but not that of the PNS.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	OPALIN (Oligodendrocytic Myelin Paranodal And Inner Loop Protein) is a Protein Coding gene.

Additional Information

Gene ID	93377
Other Names	Opalin, Oligodendrocytic myelin paranodal and inner loop protein, Transmembrane protein 10, OPALIN
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
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

Name	OPALIN
Function	Central nervous system-specific myelin protein that increase myelin genes expression during oligodendrocyte differentiation. Promotes oligodendrocyte

terminal differentiation.

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:Q7M750}; Single-pass type I membrane protein. Note=In the CNS, enriched in the myelin paranodal and inner loop membranes, but not that of the PNS. Enriched in the leading edge of extending processes {ECO:0000250|UniProtKB:Q7M750}

Tissue Location

Brain specific; expressed in oligodendrocytes (PubMed:11814680, PubMed:30837646). Expressed in oligodendrocytes in remyelinating multiple sclerosis plaques (PubMed:30837646)

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