

CLDN11 Rabbit pAb

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Catalog # AP94121

Product Information

Application	WB
Primary Accession	Q60771
Reactivity	Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22114
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse Claudin 11
Epitope Specificity	150-207/207
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell junction, tight junction. Cell membrane; Multi-pass membrane protein.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Oligodendrocyte specific protein (OSP) is the third most abundant component of central nervous system myelin. The claudin superfamily consists of many structurally related proteins. These proteins, which include claudin 1 through 18, are located in both epithelial and endothelial cells in all tight junction bearing tissues. Claudins, which consist of four transmembrane domains and two extracellular loops, make up tight junction strands. There is growing evidence that OSP/Claudin 11 determines the permeability between layers of myelin sheaths via focal adhesion. Its expression is highly regulated during development, suggesting that it may play an important role in the growth and differentiation of oligodendrocytes and other cells outside the CNS. In addition, the protein is a candidate autoantigen in the development of autoimmune demyelinating disease.

Additional Information

Gene ID	18417
Other Names	Claudin-11, Oligodendrocyte transmembrane protein, Oligodendrocyte-specific protein, Cldn11, Osp, Otm
Dilution	WB=1:500-2000
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.

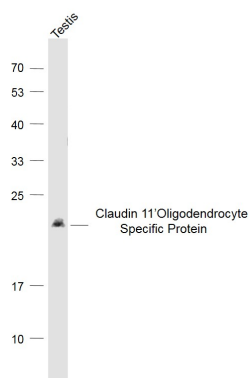
Protein Information

Name	Cldn11
Synonyms	Osp, Otm
Function	Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.
Cellular Location	Cell junction, tight junction. Cell membrane {ECO:0000250 UniProtKB:O75508}; Multi-pass membrane protein

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Images



Sample:
Testis (Mouse) Lysate at 40 ug
Primary: Anti-Claudin 11'Oligodendrocyte Specific Protein (AP94121) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 22 kD
Observed band size: 22 kD

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