

CLDN11 Rabbit pAb

Catalog # AP98541

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q75508
Other Accession	Q75508
Reactivity	Human
Predicted	Rat, Pig, Mouse, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21993
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Claudin-11
Epitope Specificity	101-218/218
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the claudin family.
SUBUNIT	Interacts with tetraspanin-3/TSPAN3.
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	5010
Other Names	HLD22; OSP; OTM; Claudin-11; Claudin11; CLD11_BOVIN; CLDN11; CLD11_HUMAN; Oligodendrocyte-specific protein; CLD11_MOUSE; Oligodendrocyte transmembrane protein; CLD11_RAT; claudin 11
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

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; Multi-pass membrane protein

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