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

Anti-Claudin 11 Antibody

Catalog # AP50727

Product Information

Application	WB, IF/IC
Primary Accession	O75508
Reactivity	Human, Mouse, Rat, Rabbit, Chicken, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21993

Additional Information

Gene ID	5010
Other Names	OSP; OTM; Claudin-11; Oligodendrocyte-specific protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Claudin 11. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

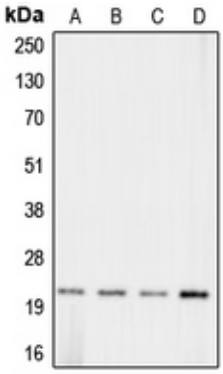
Protein Information

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

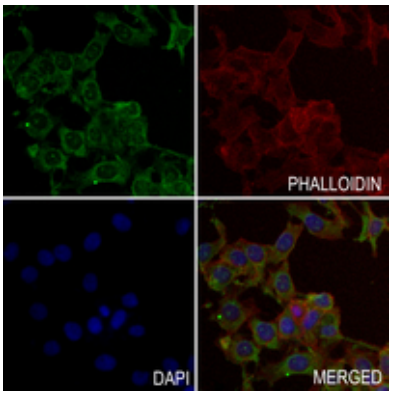
References

Bronstein J.M.,et al.J. Neurosci. Res. 59:706-711(2000).
Keen T.J.,et al.Submitted (SEP-1999) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of Claudin 11 expression in HeLa (A), Raw264.7 (B), mouse brain (C), rat heart (D) whole cell lysates. (Predicted band size: 21 kD; Observed band size: 21 kD)



Immunofluorescent analysis of Claudin 11 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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