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Anti-CADM4 Antibody

Catalog # AP51030

Product Information

Application	WB, IHC, IP, IF/IC
Primary Accession	Q8NFZ8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42785

Additional Information

Gene ID	199731
Other Names	IGSF4C; NECL4; TSLL2; Cell adhesion molecule 4; Immunoglobulin superfamily member 4C; IgSF4C; Nectin-like protein 4; NECL-4; TSLC1-like protein 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CADM4. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500 IP~~N/A 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

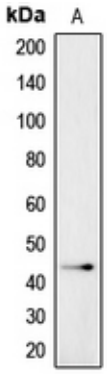
Protein Information

Name	CADM4
Synonyms	IGSF4C, NECL4, TSLL2
Function	Cell adhesion molecule, exhibiting calcium- and magnesium- independent cell-cell adhesion activity (PubMed:16261159). In its palmitoylated form, is required for proper oligodendrocyte maturation and myelination in CNS via its association with other cell adhesion molecules such as CADM2/3 and MAG (By similarity). May have tumor- suppressor activity (PubMed:16261159).
Cellular Location	Cell membrane {ECO:0000250|UniProtKB:Q8R464}; Single-pass type I membrane protein. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q8R464}; Single-pass type I membrane protein
Tissue Location	Expressed in brain, prostate, brain, kidney and some other organs.

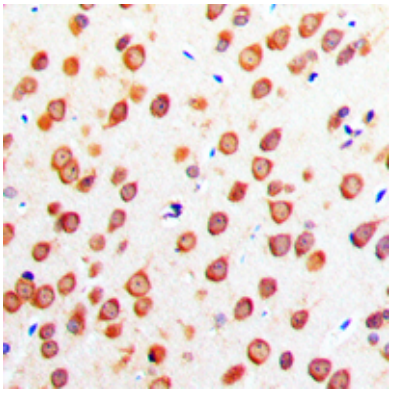
References

Fukuhara H.,et al.Oncogene 20:5401-5407(2001).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Grimwood J.,et al.Nature 428:529-535(2004).
Williams Y.N.,et al.Oncogene 25:1446-1453(2006).

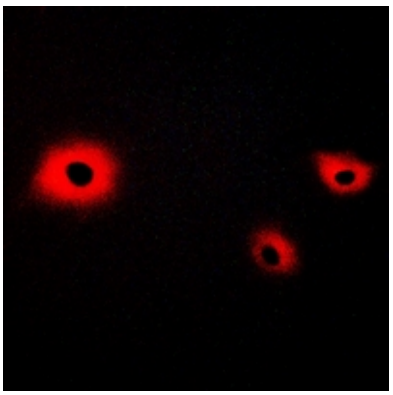
Images



Western blot analysis of CADM4 expression in NCIHC226 (A) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 43 kD)



Immunohistochemical analysis of CADM4 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of CADM4 staining in A549 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 AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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