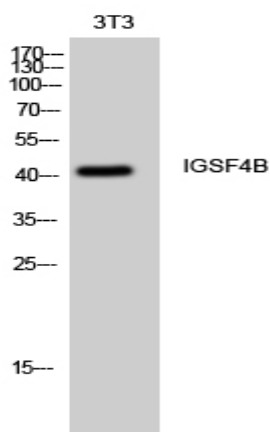


IGSF4B Polyclonal Antibody

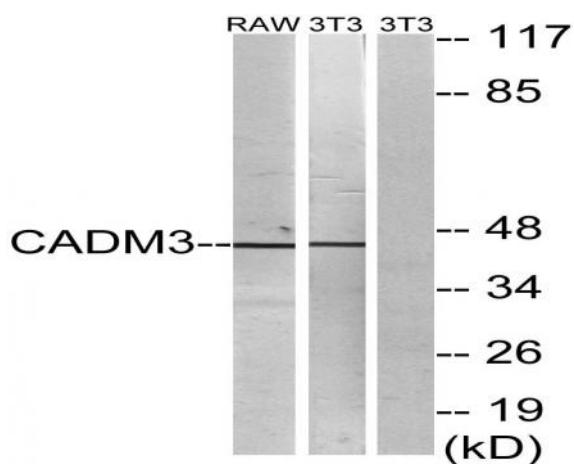
Catalog No :	YT2294
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	IGSF4B
Fields :	>>Cell adhesion molecules
Gene Name :	CADM3
Protein Name :	Cell adhesion molecule 3
Human Gene Id :	57863
Human Swiss Prot No :	Q8N126
Mouse Gene Id :	94332
Mouse Swiss Prot No :	Q99N28
Rat Gene Id :	360882
Rat Swiss Prot No :	Q1WIM3
Immunogen :	The antiserum was produced against synthesized peptide derived from human CADM3. AA range:141-190
Specificity :	IGSF4B Polyclonal Antibody detects endogenous levels of IGSF4B protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	43kD
Cell Pathway :	Cell adhesion molecules (CAMs);
Background :	cell adhesion molecule 3(CADM3) Homo sapiens IGSF4B is a brain-specific protein related to the calcium-independent cell-cell adhesion molecules known as nectins (see PVRL3; MIM 607147) (Kakunaga et al., 2005 [PubMed 15741237]).[supplied by OMIM, Mar 2008],
Function :	domain:The cytoplasmic region mediates interaction with EPB41L1, DLG3, MPP6 and CASK.,function:Involved in the cell-cell adhesion. Has both calcium-independent homophilic cell-cell adhesion activity and calcium-independent heterophilic cell-cell adhesion activity with IGSF4, PVRL1 and PVRL3. Interaction with EPB41L1 may regulate structure or function of cell-cell junctions.,induction:Markedly in glioma cell lines and prostate cancer cell lines.,similarity:Belongs to the nectin family.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,similarity:Contains 2 Ig-like C2-type (immunoglobulin-like) domains.,subcellular location:Localized at the cell-cell attached sites of the plasma membrane.,subunit:Homodimer. Can form trans-heterodimers with PVRL3/nectin-3. Interacts with EPB41L1, DLG3, MPP6 and CASK.,tissue specificity:Isoform 1 is expressed mainly in adult and fetal brain.
Subcellular Location :	Cell membrane ; Single-pass type I membrane protein . Cell junction .
Expression :	Isoform 1 is expressed mainly in adult and fetal brain. Isoform 2 is highly expressed in adult brain and weakly expressed in placenta. In brain, Isoform 2 is highly expressed in cerebellum.

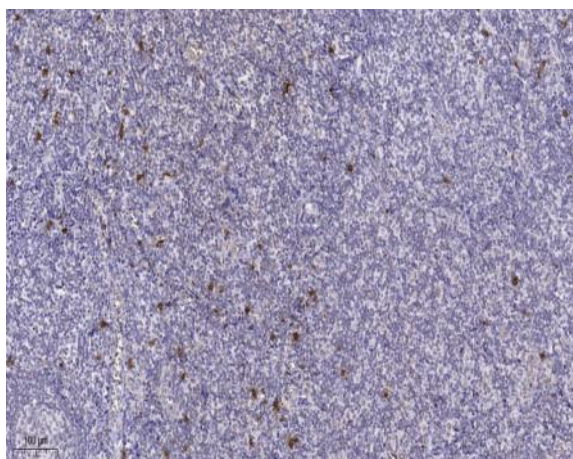
Products Images



Western Blot analysis of 3T3 cells using IGSF4B Polyclonal Antibody



Western blot analysis of lysates from NIH/3T3 and RAW264.7 cells, using CADM3 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA, pH 9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200 (4° overnight). 3, Secondary antibody was diluted at 1:200 (room temperature, 45 min).