

Product datasheet for **TA306745**

PCDH18 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 2 ug/mL, ICC: 2.5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	PCDH12 antibody was raised against a 17 amino acid peptide near the amino terminus of human PCDH12.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	protocadherin 18
Database Link:	NP_061908 Entrez Gene 73173 Mouse Entrez Gene 295027 Rat Entrez Gene 54510 Human Q9HCL0



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Background:

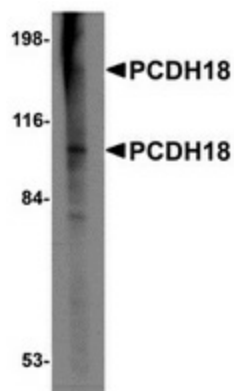
Protocadherins comprise the largest group within the cadherin family of calcium-dependent cell-cell adhesion molecules. Protocadherin 18 (PCDH18) was initially identified through screening of human and mouse ESTs using conserved cytoplasmic domain motifs. Tissue screening revealed PCDH18 broad expression in tissues such as brain, liver, heart, kidney, lung, and trachea. PCDH18 expression is also temporally and spatially regulated in the mouse embryonic brain and interacts with Disabled-1, an intracellular adapter protein involved in neuronal migration and cell positioning during mammalian brain development. PCDH18 was also found to be expressed in the developing zebrafish neural tube and central nervous system, lending support to the hypothesis that PCDH18 may play a role during brain development. At least three isoforms of PCDH18 are known to exist. This antibody is predicted to not cross-react with PCDH12.

Synonyms:

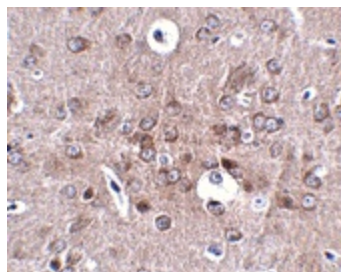
PCDH68L

Protein Families:

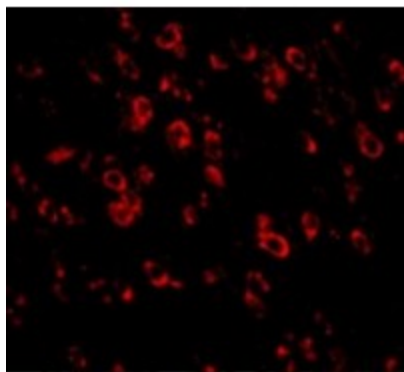
Druggable Genome, Transmembrane

Product images:


Western blot analysis of PCDH18 in Raji cell lysate with PCDH18 antibody at 2 ug/ml.



Immunohistochemistry of PCDH18 in mouse brain tissue with PCDH18 antibody at 2.5 ug/ml.



Immunofluorescence of PCDH18 in Mouse Brain cells with PCDH18 antibody at 20 ug/mL.