PCDH18 Antibody

Catalog No: #24859

Description

Product Name	PCDH18 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms Rt
Specificity	At least three isoforms of PCDH18 are known to exist. This antibody is predicted to not cross-react with PCDH12.
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the amino terminus of human PCDH12.
Target Name	PCDH18
Other Names	Protocadherin 18
Accession No.	Swiss-Prot:Q9HCL0Gene ID:54510
Uniprot	Q9HCL0
GeneID	54510;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images
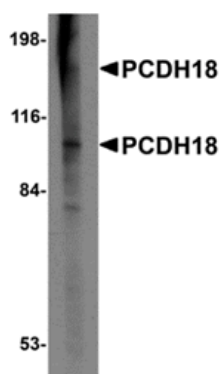
Western blot analysis of PCDH18 in Raji cell lysate with PCDH18 antibody at 2 ug/mL.
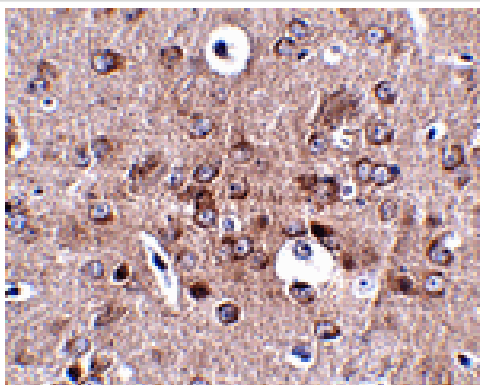
Immunohistochemistry of PCDH18 in mouse brain tissue with PCDH18 antibody at 2.5 ug/mL.

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.

Note: This product is for in vitro research only