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Datasheet for ABIN6991083 **anti-PCDH18 antibody (N-Term)**

Overview

Quantity:	0.1 mg
Target:	PCDH18
Binding Specificity:	AA 50-100, N-Term
Reactivity:	Mouse, Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCDH18 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	PCDH18 antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human PCDH18. The immunogen is located within amino acids 50 - 100 of PCDH18.
Isotype:	IgG
Specificity:	At least three isoforms of PCDH18 are known to exist. This antibody is predicted to not cross-react with PCDH12.
Purification:	PCDH18 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	PCDH18
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Target Details

Alternative Name:	PCDH18 (PCDH18 Products)
Background:	<p>PCDH18 Antibody: 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.</p>
Gene ID:	54510
NCBI Accession:	NP_061908
UniProt:	Q9HCL0

Application Details

Application Notes:	<p>PCDH18 antibody can be used for detection of PCDH18 by Western blot at 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.</p> <p>Antibody validated: Western Blot in human samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PCDH18 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C, 4 °C

Storage Comment: PCDH18 antibody can be stored at 4°C for three months and -20°C, stable for up to 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.