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Datasheet for ABIN6991078 **anti-PCDH12 antibody (N-Term)**

Overview

Quantity:	0.1 mg
Target:	PCDH12
Binding Specificity:	AA 30-80, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCDH12 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	PCDH12 antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human PCDH12. The immunogen is located within amino acids 30 - 80 of PCDH12.
Isotype:	IgG
Specificity:	This antibody is predicted to not cross-react with PCDH18.
Purification:	PCDH12 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	PCDH12
Alternative Name:	PCDH12 (PCDH12 Products)
Background:	PCDH12 Antibody: Protocadherins comprise the largest group within the cadherin family of

Target Details

calcium-dependent cell-cell adhesion molecules. Protocadherin 12 (PCDH12) was initially identified through PCR screening of mouse heart microvascular endothelial cell RNA, further experiments revealed its mRNA to be strongly expressed in highly vascularized organs such as lung and kidney, in addition to glycogen-rich trophoblasts in the placenta. PCDH12-null mice are viable and fertile, but show reduced placental and embryonic sizes when compared to wild-type mice. Further studies showed significant expression changes in 2, 289 genes, including those involved in tissue morphogenesis, angiogenesis, cell-matrix adhesion and migration, immune response and chromatin remodeling.

Molecular Weight: Predicted: 128 kDa

Observed: 125 kDa

Gene ID: 51294

NCBI Accession: [NP_057664](#)

UniProt: [Q9NPG4](#)

Pathways: [Cellular Glucan Metabolic Process](#)

Application Details

Application Notes: PCDH12 antibody can be used for detection of PCDH12 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL.

Antibody validated: Western Blot in human samples and Immunohistochemistry in rat samples.
All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PCDH12 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: PCDH12 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.