

Product datasheet for **TA306741**

PCDH12 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 2 ug/mL, ICC: 5 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 12
Database Link:	NP_057664 Entrez Gene 53601 Mouse Entrez Gene 116808 Rat Entrez Gene 51294 Human Q9NPG4



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Background:

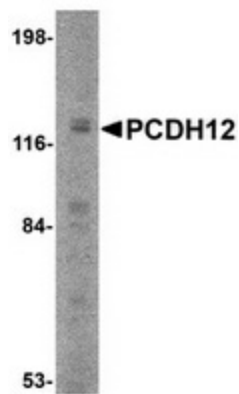
Protocadherins comprise the largest group within the cadherin family of calcium-dependent cell-cell adhesion molecules. Protocadherin 12 (PCDH12) was initially identified through PCR screening of mouse heart microvascular endothelial cell RNA; further experiments revealed its mRNA to be strongly expressed 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. This antibody is predicted to not cross-react with PCDH18.

Synonyms:

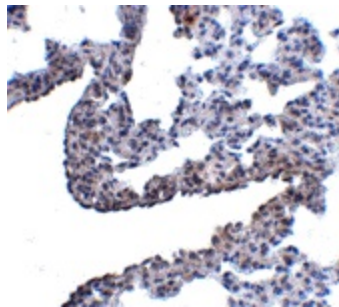
VE-cadherin-2; VECAD2

Protein Families:

Transmembrane

Product images:

Western blot analysis of PCDH12 in K562 cell lysate with PCDH12 antibody at 2 ug/ml.



Immunohistochemistry of PCDH12 in rat lung tissue with PCDH12 antibody at 5 ug/ml.