

Rabbit PCDH12 Polyclonal Antibody | anti-PCDH12 antibody

PCDH12 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39858	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

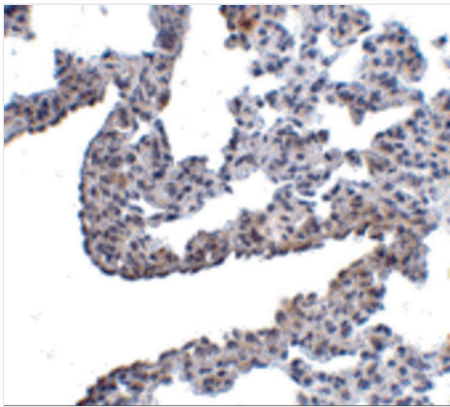
PRODUCT SYNONYMS

PCDH12; Polyclonal Antibody; PCDH12 Antibody; VECAD2; VE-cadherin-2; Protocadherin-12; Vascular cadherin-2; VE-cad-2; protocadherin 12; anti-PCDH12 antibody

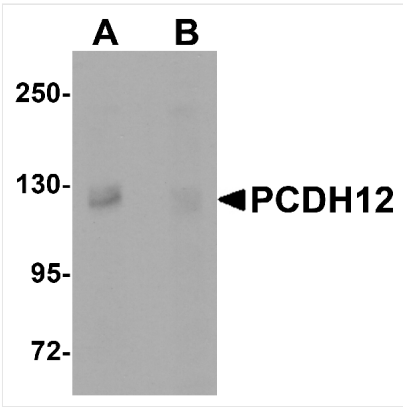
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody is predicted to not cross-react with PCDH18.
Purity/Purification	PCDH12 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1184
Applicable Applications for anti-PCDH12 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PCDH12 antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human PCDH12.
Buffer	PCDH12 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	PCDH12 antibody can be stored at 4 degree C for three months and -20 degree 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.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of PCDH12 in rat lung tissue with PCDH12 antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of PCDH12 in K562 cell lysate with PCDH12 antibody at 1 μg/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PCDH12 antibody	PCDH12 Antibody: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7706113
NCBI GeneID	51294
NCBI Accession #	NP_057664
NCBI GenBank Nucleotide #	NM_016580.3
UniProt Accession #	Q9NPG4; Q6UXB6; Q96KB8; Q9H7Y6; Q9H8E0
Molecular Weight	128,995 Da
NCBI Official Full Name	protocadherin-12
NCBI Official Synonym Full Names	protocadherin 12
NCBI Official Symbol	PCDH12
NCBI Official Synonym Symbols	VECAD2; VE-cadherin-2
NCBI Protein Information	protocadherin-12; VE-cad-2; VE-cadherin 2; vascular cadherin-2; vascular endothelial cadherin 2; vascular endothelial cadherin-2
UniProt Protein Name	Protocadherin-12
UniProt Gene Name	PCDH12
UniProt Synonym Gene Names	VE-cad-2; VE-cadherin-2
UniProt Entry Name	PCD12_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

