BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Protocadherin-12 PCDH12 Antibody

Catalog Number: A10847

About PCDH12

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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Overview

Product Name	Anti-Protocadherin-12 PCDH12 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Protocadherin-12 PCDH12 Antibody (Catalog # A10847). Tested in ELISA, WB, IHC-P applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC-P, WB
Clonality	Polyclonal
Formulation	PCDH12 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	PCDH12 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9NPG4

Technical Details

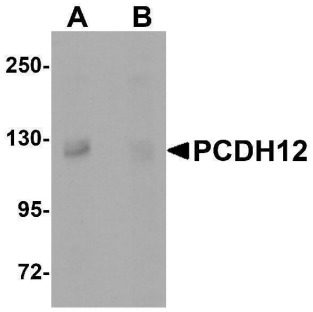
Immunogen	PCDH12 antibody was raised against a 17 amino acid synthetic peptide near the amino terminus of human PCDH12. The immunogen is located within amino acids 30 - 80 of PCDH12.
Predicted Reactive Species	Bovine

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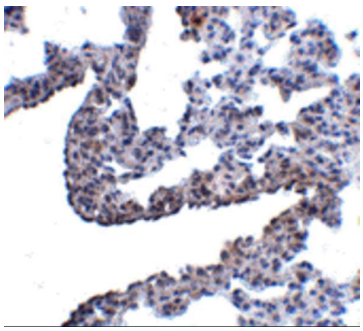
Cross Reactivity	This antibody is predicted to not cross-react with PCDH18.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	PCDH12 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	PCDH12 antibody can be used for detection of PCDH12 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. Antibody validated: Western Blot in human samples and Immunohistochemistry in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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Anti-Protocadherin-12 PCDH12 Antibody (A10847) Images



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



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

Anti-Protocadherin-12 PCDH12 Antibody

For Research Use Only. Not for use in diagnostic procedures.