

Datasheet for ABIN500453  
**anti-PCDH12 antibody (N-Term)**[Go to Product page](#)

## 2 Images

## Overview

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

## Product Details

Immunogen:	PCDH12 antibody was raised against a 17 amino acid peptide near the amino terminus of human PCDH12.
Isotype:	IgG
Specificity:	This antibody detects PCDH12. It is predicted to not cross-react with PCDH18.
Purification:	Peptide affinity chromatography

## Target Details

Target:	PCDH12
Alternative Name:	Protocadherin-12 / PCDH12 ( <a href="#">PCDH12 Products</a> )

## Target Details

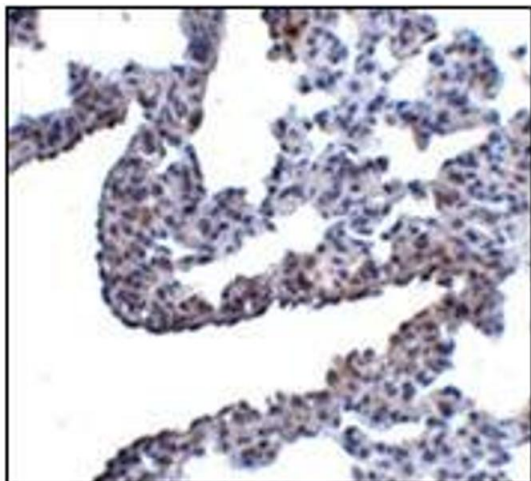
Background:	Protocadherins comprise the largest group within the cadherin family of calcium-dependent cell-cell adhesion molecules. Protocadherin 12 (PCDH12) was initially identified through PCR screening of mouse heart microvascular endothelial cell RNA, further experiments revealed its mRNA to be strongly 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. Synonyms: VE-cad-2, VE-cadherin-2, Vascular cadherin-2, Vascular endothelial cadherin-2
Gene ID:	51294
NCBI Accession:	<a href="#">NP_057664</a>
UniProt:	<a href="#">Q9NPG4</a>
Pathways:	<a href="#">Cellular Glucan Metabolic Process</a>

## Application Details

Application Notes:	ELISA. Western blot: 1 - 2 µg/mL. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

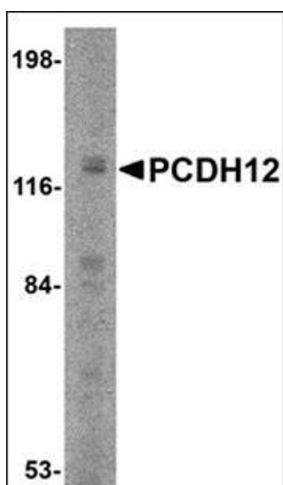
## Handling

Concentration:	1,0 mg/mL
Buffer:	PBS containing 0.02 % sodium azide as preservative
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 Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of PCDH12 in rat lung tissue with this product at 5 µg/ml.



#### Western Blotting

**Image 2.** Western blot analysis of PCDH12 in K562 cell lysate with this product at 2 µg/ml.