

**PCDH12 / VE-Cadherin-2 Antibody (N-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS13739****Specification**

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**PCDH12 / VE-Cadherin-2 Antibody (N-Terminus) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC                    |
| Primary Accession | <a href="#">Q9NPG4</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 129kDa KDa             |

**PCDH12 / VE-Cadherin-2 Antibody (N-Terminus) - Additional Information****Gene ID** 51294**Other Names**

Protocadherin-12, Vascular cadherin-2, Vascular endothelial cadherin-2, VE-cad-2, VE-cadherin-2, PCDH12

**Target/Specificity**

Human PCDH12

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

PCDH12 / VE-Cadherin-2 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**PCDH12 / VE-Cadherin-2 Antibody (N-Terminus) - Protein Information****Name** PCDH12 ([HGNC:8657](#))**Function**

Cellular adhesion molecule that may play an important role in cell-cell interactions at interendothelial junctions (By similarity). Acts as a regulator of cell migration, probably via increasing cell-cell adhesion (PubMed:<a href="http://www.uniprot.org/citations/21402705" target="\_blank">21402705</a>). Promotes homotypic calcium-dependent aggregation and adhesion and clusters at intercellular junctions (By similarity). Unable to bind to catenins, weakly associates with the cytoskeleton (By similarity).

**Cellular Location**

[Protocadherin-12]: Cell membrane; Single-pass type I membrane protein. Cell junction {ECO:0000250|UniProtKB:O55134}

**Tissue Location**

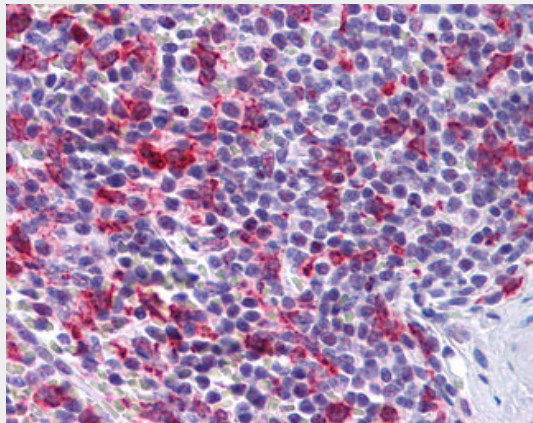
Expressed in highly vascularized tissues including the heart and placenta, but most tissues contain a low level of expression (PubMed:11063261). Prominent expression in the spleen (PubMed:11063261). Present in villous and extravillous trophoblast (at protein level) (PubMed:21402705).

### **PCDH12 / VE-Cadherin-2 Antibody (N-Terminus) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **PCDH12 / VE-Cadherin-2 Antibody (N-Terminus) - Images**



Anti-PCDH12 antibody IHC of human spleen.

### **PCDH12 / VE-Cadherin-2 Antibody (N-Terminus) - Background**

Cellular adhesion molecule that may play an important role in cell-cell interactions at interendothelial junctions. Promotes homotypic calcium-dependent aggregation and adhesion and clusters at intercellular junctions. Unable to bind to catenins, weakly associates with the cytoskeleton (By similarity).

### **PCDH12 / VE-Cadherin-2 Antibody (N-Terminus) - References**

Wu Q.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:3124-3129(2000).  
Ludwig D.,et al.Mamm. Genome 11:1030-1033(2000).  
Seki N.,et al.Submitted (APR-1999) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).