

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

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

Application	IHC
Primary Accession	Q9NPG4
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:21402705). 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

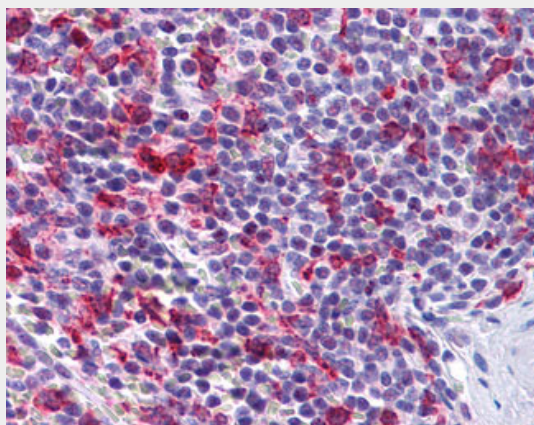
Expressed in highly vascularized tissues including the heart and placenta, but most tissues contain a low level of expression (PubMed:11063261). Prominent expression in the spleen (PubMed:11063261). Present in villous and extravillous trophoblast (at protein level) (PubMed:21402705).

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).