

PCDH12 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12773**Specification**

PCDH12 antibody - middle region - Product Information

Application	WB
Primary Accession	O9NPG4
Other Accession	NM_016580 , NP_057664
Reactivity	Human, Rat, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Rat, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	126kDa KDa

PCDH12 antibody - middle region - Additional Information**Gene ID** 51294**Alias Symbol** **VE-cadherin-2, VECAD2****Other Names**

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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-PCDH12 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

PCDH12 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

PCDH12 antibody - middle region - 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}

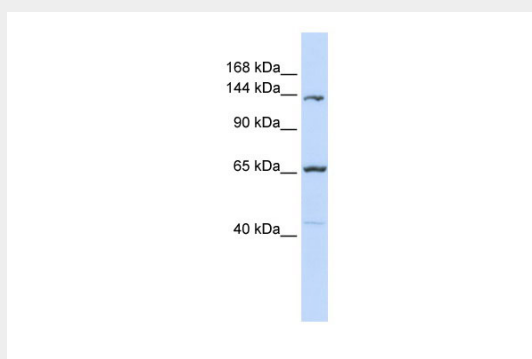
Tissue Location

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 antibody - middle region - 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 antibody - middle region - Images

WB Suggested Anti-PCDH12 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: MCF7 cell lysate

PCDH12 antibody - middle region - References

Clark, H.F., (2003) Genome Res. 13(10), 2265-2270 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.