

Cadherin 5 Rabbit mAb
Catalog # AP76241**Specification**

Cadherin 5 Rabbit mAb - Product Information

Application	WB, IP, ICC
Primary Accession	P55284
Reactivity	Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	87903

Cadherin 5 Rabbit mAb - Additional Information**Gene ID** 12562**Other Names**

Cdh5

Dilution

WB~~1/500-1/1000

IP~~N/A

ICC~~N/A

Format

Liquid

Cadherin 5 Rabbit mAb - Protein Information**Name** Cdh5 {ECO:0000312|MGI:MGI:105057}**Function**

Cadherins are calcium-dependent cell adhesion proteins (By similarity). They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types (By similarity). This cadherin may play an important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions (PubMed:<[a href="http://www.uniprot.org/citations/20332120" target="_blank">20332120](http://www.uniprot.org/citations/20332120), PubMed:<[a href="http://www.uniprot.org/citations/9220534" target="_blank">9220534](http://www.uniprot.org/citations/9220534)). It associates with alpha-catenin forming a link to the cytoskeleton (By similarity). Plays a role in coupling actin fibers to cell junctions in endothelial cells, via acting as a cell junctional complex anchor for AMOTL2 and MAGI1 (PubMed:<[a href="http://www.uniprot.org/citations/24806444" target="_blank">24806444](http://www.uniprot.org/citations/24806444)). Acts in concert with KRIT1 and PALS1 to establish and maintain correct endothelial cell polarity and vascular lumen (PubMed:<[a href="http://www.uniprot.org/citations/27466317" target="_blank">27466317](http://www.uniprot.org/citations/27466317)). These effects are mediated by recruitment and activation of the Par polarity complex and RAP1B (By similarity). Required for activation of PRKCZ and for localization of phosphorylated PRKCZ, PARD3, TIAM1 and RAP1B to the cell junction (By similarity). Associates with CTNND1/p120-catenin to control CADH5 endocytosis (PubMed:33972531).

Cellular Location

Cell junction, adherens junction. Cell membrane; Single-pass type I membrane protein. Cytoplasm
Note=Found at cell-cell boundaries and probably at cell-matrix boundaries. KRIT1 and CDH5 reciprocally regulate their localization to endothelial cell-cell junctions (By similarity)
{ECO:0000250|UniProtKB:P33151}

Tissue Location

Expressed in postnatal endothelial cells of the retinal vascular plexus (at protein level)

Cadherin 5 Rabbit mAb - 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](#)

Cadherin 5 Rabbit mAb - Images

