

**Anti-CD144 / CDH5 / VE Cadherin Antibody (aa697-746)**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ALS17401****Specification**

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**Anti-CD144 / CDH5 / VE Cadherin Antibody (aa697-746) - Product Information**

Application	WB, IHC-P, E
Primary Accession	<a href="#">P33151</a>
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	87528

**Anti-CD144 / CDH5 / VE Cadherin Antibody (aa697-746) - Additional Information****Gene ID 1003**Alias Symbol **CDH5****Other Names**

CDH5, 7B4, 7B4 antigen, CD144, Cadherin-5, Endothelial-specific cadherin, Vascular endothelial cadherin, VE-cadherin, VEC, CD144 antigen, VE Cadherin

**Target/Specificity**

VE-Cadherin (Ab-731) Antibody detects endogenous levels of total VE-Cadherin protein.

**Reconstitution & Storage**

PBS, pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol Store at -20°C.

**Precautions**

Anti-CD144 / CDH5 / VE Cadherin Antibody (aa697-746) is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-CD144 / CDH5 / VE Cadherin Antibody (aa697-746) - Protein Information****Name** CDH5**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 (PubMed:<a href="http://www.uniprot.org/citations/21269602" target="\_blank">21269602</a>). This cadherin may play a important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions (By similarity). It associates with alpha-catenin forming a link to the cytoskeleton (PubMed:<a href="http://www.uniprot.org/citations/10861224" target="\_blank">10861224</a>). Acts in concert with KRIT1 and PALS1 to establish and maintain correct endothelial cell polarity and vascular lumen (By similarity). These effects are mediated by recruitment and activation of the Par polarity complex and RAP1B (PubMed:<a

href="http://www.uniprot.org/citations/20332120" target="\_blank">20332120</a>). Required for activation of PRKCZ and for the localization of phosphorylated PRKCZ, PARD3, TIAM1 and RAP1B to the cell junction (PubMed:<a href="http://www.uniprot.org/citations/20332120" target="\_blank">20332120</a>).

**Cellular Location**

Cell junction. Cell membrane; Single-pass type I membrane protein. Note=Found at cell-cell boundaries and probably at cell-matrix boundaries. KRIT1 and CDH5 reciprocally regulate their localization to endothelial cell-cell junctions.

**Tissue Location**

Endothelial tissues and brain.

**Anti-CD144 / CDH5 / VE Cadherin Antibody (aa697-746) - 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](#)

**Anti-CD144 / CDH5 / VE Cadherin Antibody (aa697-746) - Images**