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

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17401

Specification

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

Application	**WB, IHC-P, E**
Primary Accession	P33151
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:21269602). 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:10861224). 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). Required for activation of PRKCZ and for the localization of phosphorylated PRKCZ, PARD3, TIAM1 and RAP1B to the cell junction (PubMed:20332120).

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 Cytomety
- Cell Culture

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