

VE Cadherin Rabbit mAb

Catalog No: #49308



Package Size: #49308-1 50ul #49308-2 100ul

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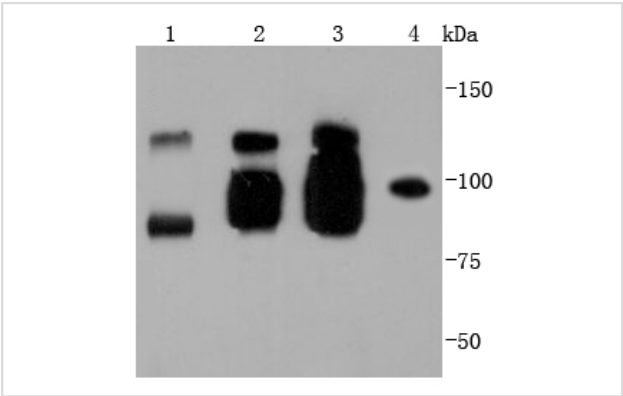
Description

Product Name	VE Cadherin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JJ0941
Purification	ProA affinity purified
Applications	WB,IP
Species Reactivity	Ms
Immunogen Description	recombinant protein
Other Names	7B 4 antibody 7B4 antibody 7B4 antigen antibody CADH5_HUMAN antibody Cadherin 5 antibody Cadherin 5 type 2 antibody Cadherin 5, type 2 (vascular endothelium) antibody Cadherin 5, type 2, VE cadherin (vascular epithelium) antibody cadherin, vascular endothelial antibody cadherin, vascular endothelial, 1 antibody Cadherin-5 antibody Cadherin5 antibody CD 144 antibody CD144 antibody CD144 antigen antibody CDH 5 antibody CDH5 antibody CDH5 protein antibody Endothelial specific cadherin antibody FLJ17376 antibody OTTHUMP00000174777 antibody Vascular endothelial cadherin antibody Vascular epithelium cadherin antibody VE Cad antibody VE-cadherin antibody VEC antibody
Accession No.	Swiss-Prot#:P55284
Calculated MW	88/125 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:1,000-5,000

Images



Western blot analysis of VE Cadherin on different lysates using anti-VE Cadherin antibody at 1/1,000 dilution. Positive control: Lane 1: Mouse heart Lane 2: Mouse placenta Lane 3: Mouse spleen Lane 4: Mouse lung

Background

The cadherins are a family of Ca²⁺-dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis. Cadherins each contain a large extracellular domain at the amino-terminus, which is characterized by a series of five homologous repeats, the most distal of which is thought to be responsible for binding specificity. The relatively short carboxy-terminal, intracellular domain interacts with a variety of cytoplasmic proteins, including β -catenin, to regulate cadherin function. VE-cadherin (for vascular endothelial cadherin, also designated cadherin-5) is localized at intercellular junctions of endothelial cells, where it is thought to play a role in the cohesion and organization of intercellular junctions.

References

1. Ye X et al. Altered ratios of pro- and anti-angiogenic VEGF-A variants and pericyte expression of DLL4 disrupt vascular maturation in infantile haemangioma. *J Pathol* 239:139-51 (2016).
2. Li C et al. RhoA determines lineage fate of mesenchymal stem cells by modulating CTGF-VEGF complex in extracellular matrix. *Nat Commun* 7:11455 (2016).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.