

Rabbit anti-Human VE-Cadherin Monoclonal Antibody | anti-CDH5 antibody

Recombinant Anti-VE-Cadherin Antibody, Rabbit Monoclonal

CATALOG # AAA254925	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

VE-Cadherin; Monoclonal Antibody; Recombinant Anti-VE-Cadherin Antibody; Rabbit Monoclonal; VE-Cadherin/CD144 Antibody; Rabbit MAb; cadherin 5; type 2 (vascular endothelium); Anti-7B4 Antibody; Anti-CD144 Antibody; anti-CDH5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	012
Specificity	Human VE-Cadherin/CD144
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CDH5 antibody	IHC (Immunohistochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human VE-Cadherin/CD144 Protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human VE-Cadherin/CD144 (CAA56306.1; Met1-Gln593).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human Cad5 in human kidney with rabbit monoclonal antibody (1:500, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human Cad5 in human stomach with rabbit monoclonal antibody (1:500, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-CDH5 antibody	Cadherins (Calcium dependent adhesion molecules) are a class of transmembrane proteins. Cadherin-5, also known as VE-cadherin, CDH5 and CD144, an endothelial specific cell-cell adhesion molecule, plays a pivotal role in the formation, maturation and remodeling of the vascular wall. VE-Cadherin is widely considered to be specific for vascular endothelia in which it is either the sole or the predominant cadherin, often co-existing with N-cadherin. This specificity of VE-cadherin for vascular endothelial cells is important not only in blood and lymph vessel biology and medicine, but also for cell-type-based identifies, notably those of metastatic tumors. As a classical cadherin, VE-Cadherin links endothelial cells together by homophilic interactions mediated by its extracellular part and associates intracellularly with the actin cytoskeleton via catenins. Mechanisms that regulate VE-cadherin-mediated adhesion are important for the control of vascular permeability and leukocyte extravasation. In addition to its adhesive functions, VE-Cadherin regulates various cellular processes such as cell proliferation and apoptosis and modulates vascular endothelial growth factor receptor functions. Consequently, VE-cadherin is essential during embryonic angiogenesis.
Product Categories/Family for anti-CDH5 antibody	Hemangioblast Markers Cardiac Stem Cell Markers; Canonical Wnt Pathway
References	Taveau JC, et al. (2008) Structure of artificial and natural VE-cadherin-based adherens junctions. Biochem Soc Trans. 36(Pt 2): 189-93.Vestweber D. (2008) VE-cadherin: the major endothelial adhesion molecule controlling cellular junctions and blood vessel formation. Arterioscler Thromb Vasc Biol. 28(2): 223-32.Gavard J. (2009) Breaking the VE-cadherin bonds. FEBS Lett. 583(1): 1-6.Vestweber D, et al. (2009) Cell adhesion dynamics at endothelial junctions: VE-cadherin as a major player. Trends Cell Biol. 19(1): 8-15.Boda-Heggemann J, et al. (2009) Beyond vessels: occurrence and regional clustering of vascular endothelial (VE-)cadherin-containing junctions in non-endothelial cells. Cell Tissue Res. 335(1): 49-65.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ve-cadherin-antibody-clone-012-immunohistochemistry-elisa/254925>