

Rabbit anti-Human, mouse VE-Cadherin (Phospho-Tyr731) Polyclonal Antibody | anti-CDH5 antibody

VE-Cadherin (Phospho-Tyr731) Antibody

CATALOG # AAA289567	HOST Rabbit	REACTIVITY Human, mouse	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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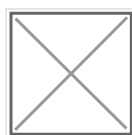
PRODUCT SYNONYMS

VE-Cadherin (Phospho-Tyr731); Polyclonal Antibody; VE-Cadherin (Phospho-Tyr731) Antibody; Cadherin-5; 7B4 antigen; Vascular endothelial cadherin; VE-cadherin; CD144; CDH5; anti-CDH5 antibody

PRODUCT SPECIFICATIONS

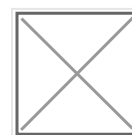
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	669
Applicable Applications for anti-CDH5 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	synthetic peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using VE-Cadherin (Phospho-Tyr731) antibody.



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, treated with Na3VO4 (0.3mM, 40mins), using VE-Cadherin (Phospho-Tyr731) antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CDH5 antibody

Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. This cadherin may play a important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. It associates with alpha-catenin forming a link to the cytoskeleton. Acts in concert with KRIT1 to establish and maintain correct endothelial cell polarity and vascular lumen. These effects are mediated by recruitment and activation of the Par polarity complex and RAP1B. Required for activation of PRKCZ and for the localization of phosphorylated PRKCZ, PARD3, TIAM1 and RAP1B to the cell junction.

Product Categories/Family for anti-CDH5 antibody	Phospho Antibodies
References	Breviario F.,et al.Arterioscler. Thromb. Vasc. Biol. 15:1229-1239(1995). Ali J.,et al.Microcirculation 4:267-277(1997). Shimoyama Y.,et al.Biochem. J. 349:159-167(2000). Suzuki S.,et al.Cell Regul. 2:261-270(1991). Lampugnani M.G.,et al.J. Cell Biol. 118:1511-1522(1992).

NCBI AND UNIPROT INFORMATION

NCBI GI #	166362713
NCBI GeneID	1003
NCBI Accession #	NP_001786.2
NCBI GenBank Nucleotide #	NM_001795.3
UniProt Accession #	P33151; Q4VAI5; Q4VAI6
Molecular Weight	87528
NCBI Official Full Name	cadherin-5 preproprotein
NCBI Official Synonym Full Names	cadherin 5, type 2 (vascular endothelium)
NCBI Official Symbol	CDH5
NCBI Official Synonym Symbols	7B4; CD144
NCBI Protein Information	cadherin-5
UniProt Protein Name	Cadherin-5
UniProt Gene Name	CDH5
UniProt Synonym Gene Names	VE-cadherin
UniProt Entry Name	CADH5_HUMAN

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/polyclonal/ve-cadherin-phospho-tyr731-antibody-immunohistochemistry-western-blot-elisa/289567>