

Rabbit VE Cadherin Polyclonal Antibody | anti-CDH5 antibody

Polyclonal Anti-CDH5 Antibody; Anti-VE Cadherin antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11586	Rabbit	Human, Rat; Predicted: Mouse	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

VE Cadherin; Polyclonal Antibody; Polyclonal Anti-CDH5 Antibody; Anti-VE Cadherin antibody; Cadherin-5; cadherin 5; type 2(vascular endothelium); 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; type 2; VE cadherin(vascular epithelium) antibody; cadherin; vascular endothelial antibody; 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; anti-CDH5 antibody

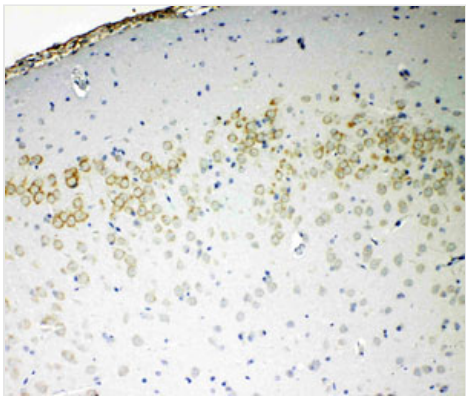
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat; Predicted: Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	784
Applicable Applications for anti-CDH5 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Western Blot: Concentration: 0.1-0.5ug/ml Tested Species: Human Predicted Species: N/A Antigen retrieval: N/A Immunohistochemistry (Paraffin-embedded Section): Concentration: 0.5-1ug/ml Tested Species: Human, Rat Predicted Species: Mouse Antigen retrieval: By Heat Tested Species: In-house tested species with positive results Predicted Species: Species predicted to be fit for the product based on sequence similarities. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH 6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested, Optimal dilutions should be determined by end users.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CDH5(766-784aa RFKMLAELYGSDPREELLY), different from the related mouse and rat sequences by three amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution	0.2ml of distilled water will yield a concentration of 500ug/ml.

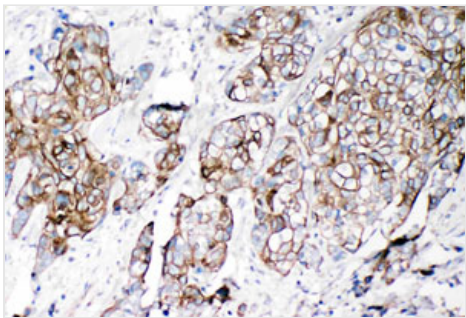
Preparation and Storage

At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

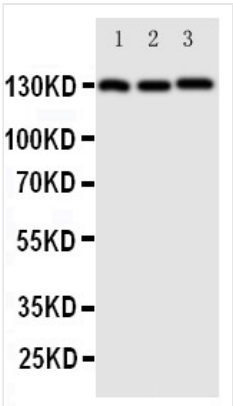
IMAGES



IHC (Immunohistochemistry)
Anti-VE Cadherin antibody, AAA11586, IHC(P)IHC(P): Rat Brain Tissue



IHC (Immunohistochemistry)
Anti-VE Cadherin antibody, AAA11586, IHC(P)IHC(P): Human Lung Cancer Tissue



WB (Western Blot)
Anti-VE Cadherin antibody, AAA11586, Western blottingAll lanes: Anti VE Cadherin (AAA11586) at 0.5ug/mlLane 1: A549 Whole Cell Lysate at 40ugLane 2: HELA Whole Cell Lysate at 40ugLane 3: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 87KDObserved bind size: 130KD

ADDITIONAL INFORMATION

Related Product Information for anti-CDH5 antibody

CDH5(Cadherin 5), also known as VE-cadherin, is a type of cadherin. It is encoded by the human gene CDH5. Kremmidiotis et al.(1998) mapped the human CDH5 gene to 16q22.1 using somatic cell hybrid panels. Functioning as a classic cadherin by imparting to cells the ability to adhere in a homophilic manner, the protein may play an important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. Therefore it was concluded that VE-cadherin serves the purpose of maintaining newly formed vessels.

NCBI AND UNIPROT INFORMATION

NCBI GI #	322510142
NCBI GeneID	1003
UniProt Accession #	P33151; Q4VAI5; Q4VAI6
NCBI Official Full Name	Cadherin-5
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; 7B4 antigen; VE-cadherin; cd144 antigen; endothelial-specific cadherin; vascular endothelial cadherin; cadherin 5, type 2, VE-cadherin (vascular epithelium)
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://www.aaabiotech.com/polyclonal/ve-cadherin-antibody-western-blot-immunohistochemistry-elisa/11586>