Product datasheet Anti-VE-Cadherin/CDH5 Antibody Catalog Number: BA3032

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BOSTER BIOLOGICAL TECHNOLOGY

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

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Basic Information	
Product Name	Anti-VE-Cadherin/CDH5 Antibody
Gene Name	CDH5
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human VE Cadherin, different from the related mouse and rat sequences by three amino acids.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	88,120 kDa
Dilution Ratios	Western blot (WB): Immunohistochemistry (IHC): (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

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.

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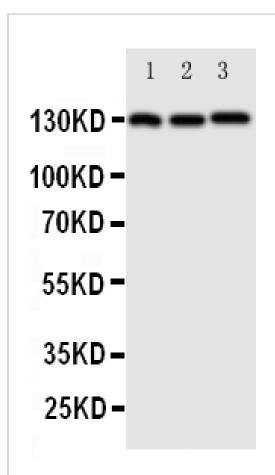
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Reference

Anti-VE-Cadherin/CDH5 Antibody 被引用在9文献中。

Selected Validation Data



Western blot analysis of VE-Cadherin/CDH5 using anti-VE-Cadherin/CDH5 antibody (BA3032). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

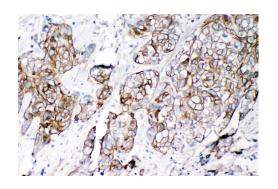
Lane 1: A549 whole cell lysates, Lane 2: HELA whole cell lysates,

Lane 3: MCF-7 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane.

Then the membrane was incubated with rabbit anti-VE-

Cadherin/CDH5 antigen affinity purified polyclonal antibody (BA3032) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for VE-Cadherin/CDH5 at approximately 88,120 kDa. The expected band size for VE-Cadherin/CDH5 is at 88 kDa.



IHC analysis of VE-Cadherin/CDH5 using anti-VE-Cadherin/CDH5 antibody (BA3032).

VE-Cadherin/CDH5 was detected in a paraffin-embedded section of human lung cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-VE-Cadherin/CDH5 Antibody (BA3032) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.