Product datasheet

Anti-VE-Cadherin/CDH5 Antibody

Catalog Number: *A02632-1*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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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
Tested Application	WB, IHC, IF, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human VE Cadherin recombinant protein (Position: D48-R272).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	88,120 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunofluorescence (IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (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℃ 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. This gene is mapped 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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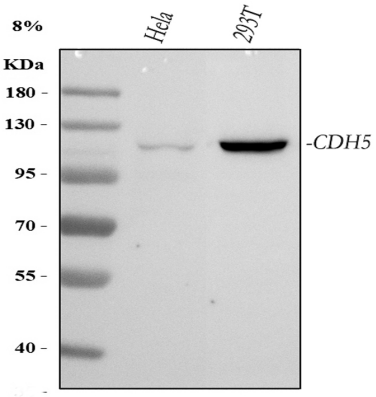
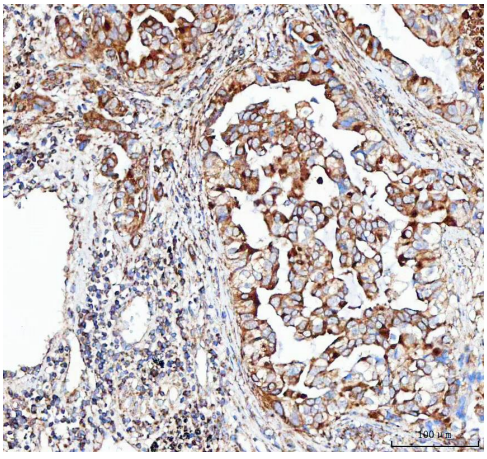
Reference

Anti-VE-Cadherin/CDH5 Antibody 被引用在3文献中。

Selected Validation Data



Western blot analysis of VE-Cadherin/CDH5 using anti-VE-Cadherin/CDH5 antibody (A02632-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human 293T 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 (A02632-1) 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 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 (A02632-1) .
VE-Cadherin/CDH5 was detected in a paraffin-embedded section of human lung adenocarcinoma tissue. The tissue section was incubated with rabbit anti-VE-Cadherin/CDH5 Antibody (A02632-1) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.

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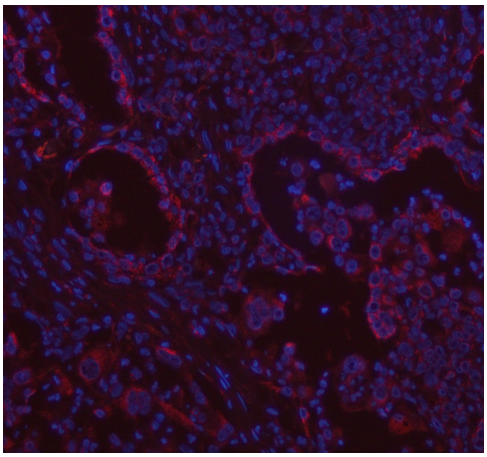
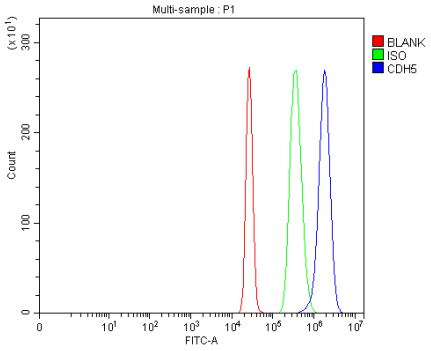


IF analysis of VE-Cadherin/CDH5 using anti-VE-Cadherin/CDH5 antibody (A02632-1).
VE-Cadherin/CDH5 was detected in a paraffin-embedded section of human lung cancer tissue. The tissue section was incubated with rabbit anti-VE-Cadherin/CDH5 Antibody (A02632-1) at a dilution of 1:100. Cy3-conjugated Anti-rabbit IgG Secondary Antibody (red)(Catalog#BA1032) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).



Flow Cytometry analysis of HepG2 cells using anti-VE-Cadherin/CDH5 antibody (A02632-1).
Overlay histogram showing HepG2 cells stained with A02632-1 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-VE-Cadherin/CDH5 Antibody (A02632-1) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample (Red line) was also used as a control.