Product datasheet

Anti-VE-Cadherin/CDH5 Antibody

Catalog Number: *A02632-2*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-VE-Cadherin/CDH5 Antibody
Gene Name	CDH5
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	mouse, rat
Tested Application	WB, IHC, ELISA(Cap)
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived mouse VE Cadherin recombinant protein (Position: D46-E285).
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 ELISA(Cap): 1:50-1:200 (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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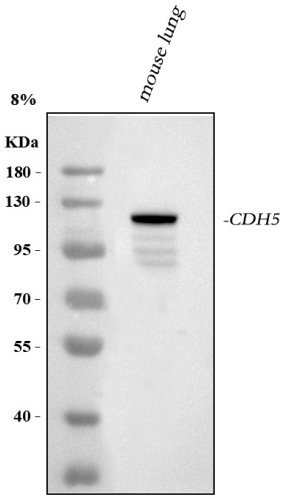
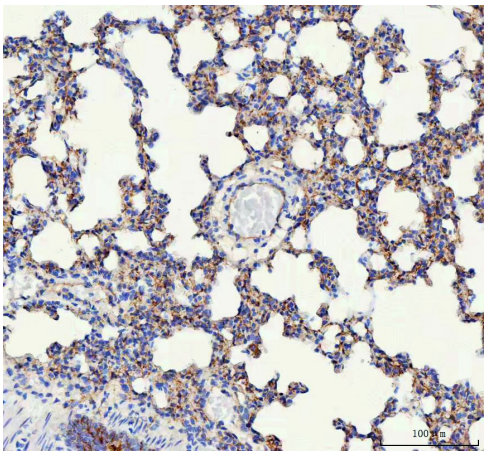
Reference

Anti-VE-Cadherin/CDH5 Antibody 被引用在22文献中。

Selected Validation Data



Western blot analysis of anti-VE-Cadherin/CDH5 antibody (A02632-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: mouse lung tissue 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 (A02632-2) 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 (A02632-2).
VE-Cadherin/CDH5 was detected in a paraffin-embedded section of mouse lung tissue. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.