

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% NaN ₃ , 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°C as supplied.

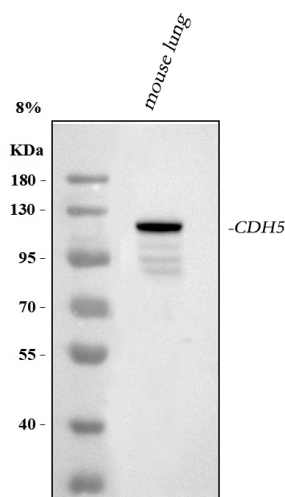
Background Information

CDH5 (Cadherin 5), also known as VE-cadherin, is a type of cadherin. It is encoded by the human gene CDH5. 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.

Reference

Anti-VE-Cadherin/CDH5 Antibody 被引用在20文献中。

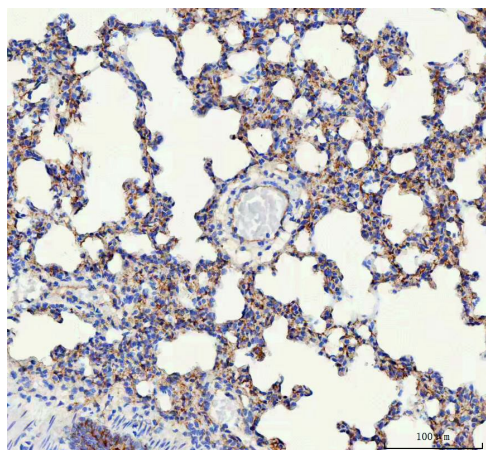
Selected Validation Data



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.