

Basic Information

Product Name	Anti-VE-Cadherin/CDH5 Antibody (Clone#IIC-3)	
Gene Name	CDH5	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	mouse	
Tested Application	WB, ICC/IF, IP	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from mouse VE Cadherin	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	88,120 kDa	
Dilution Ratios	Western blot (WB):	1:500-2000
	Immunocytochemistry/Immunofluorescence (ICC/IF):	1:50-200
	ImmunoPrecipitation (IP):	1:20

Storage

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

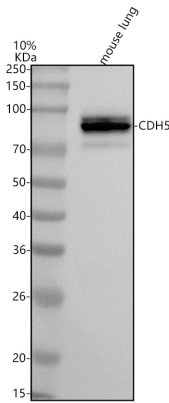
Background Information

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.

Reference

Anti-VE-Cadherin/CDH5 Antibody (Clone#IIC-3)被引用在4文献中。

Selected Validation Data



Western blot analysis of anti-VE-Cadherin/CDH5 antibody (BM4867). 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 monoclonal antibody (BM4867) 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.