

Basic Information

Product Name	Anti-VE-Cadherin/CDH5 Antibody (Clone#OTI1F4)
Gene Name	CDH5
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human
Tested Application	IHC, WB
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Immunogen	Human recombinant protein fragment corresponding to amino acids 48-333 of human CDH5 (NP_001786) produced in E.coli.
Concentration	500 ug/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Dilution Ratios	Western blot (WB): 1:2000 Immunohistochemistry (IHC):1:150

Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

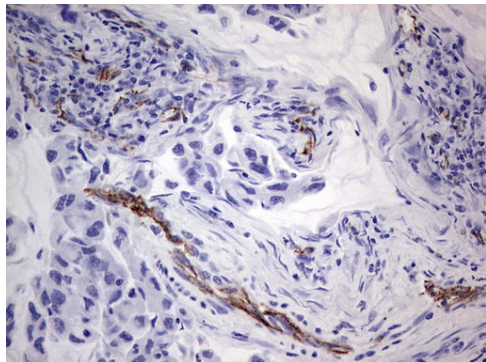
Background Information

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.

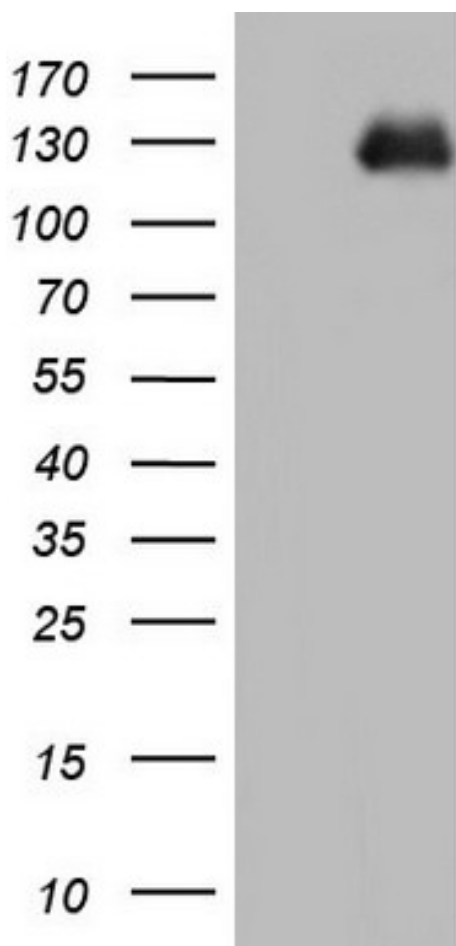
Reference

Anti-VE-Cadherin/CDH5 Antibody (Clone#OTI1F4)被引用在3文献中。

Selected Validation Data



Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-CDH5 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris, pH8.5, 120°C for 3min, MA02632)



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CDH5 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CDH5(Cat# MA02632).