

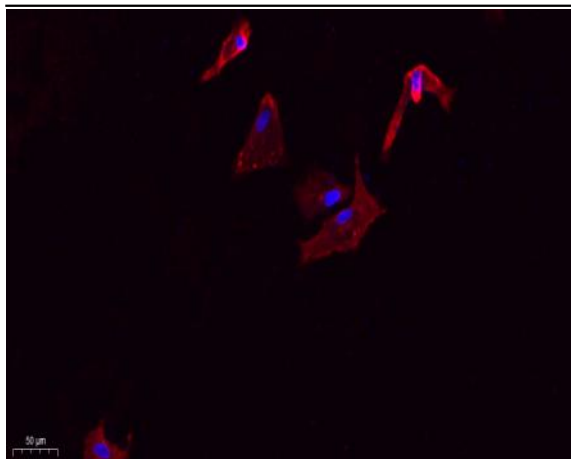
## VE-Cadherin Polyclonal Antibody

<b>Catalog No :</b>	YT5611
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	IF;WB;IHC;ELISA
<b>Target :</b>	VE-Cadherin
<b>Fields :</b>	>>Cell adhesion molecules;>>Leukocyte transendothelial migration;>>Fluid shear stress and atherosclerosis
<b>Gene Name :</b>	CDH5
<b>Protein Name :</b>	Cadherin-5
<b>Human Gene Id :</b>	1003
<b>Human Swiss Prot No :</b>	P33151
<b>Mouse Gene Id :</b>	12562
<b>Mouse Swiss Prot No :</b>	P55284
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from the Internal region of human CDH5. AA range:391-440
<b>Specificity :</b>	VE-Cadherin Polyclonal Antibody detects endogenous levels of VE-Cadherin protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	IF 1:50-200 WB 1:500-2000, ELISA 1:10000-20000 IHC 1:50-300
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

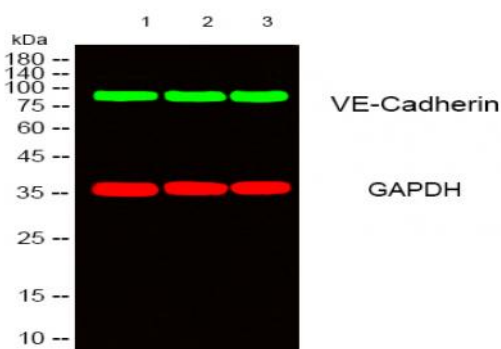
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	86kD
<b>Observed Band :</b>	110-130kD
<b>Cell Pathway :</b>	Cell adhesion molecules (CAMs);Leukocyte transendothelial migration;
<b>Background :</b>	<p>This gene encodes a classical cadherin of the cadherin superfamily. The encoded preproprotein is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion molecule is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Functioning as a classical cadherin by imparting to cells the ability to adhere in a homophilic manner, this protein plays a role in endothelial adherens junction assembly and maintenance. This gene is located in a gene cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. [provided by RefSeq, Nov 2015],</p>
<b>Function :</b>	<p>function:Cadherins are calcium dependent cell adhesion proteins.,function:Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. This cadherin may play a important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. It associates with alpha-catenin forming a link to the cytoskeleton.,similarity:Contains 5 cadherin domains.,subcellular location:Found at cell-cell boundaries and probably at cell-matrix boundaries.,tissue specificity:Endothelial tissues and brain.,</p>
<b>Subcellular Location :</b>	<p>Cell junction . Cell membrane ; Single-pass type I membrane protein . Found at cell-cell boundaries and probably at cell-matrix boundaries. KRIT1 and CDH5 reciprocally regulate their localization to endothelial cell-cell junctions. .</p>
<b>Expression :</b>	Endothelial tissues and brain.

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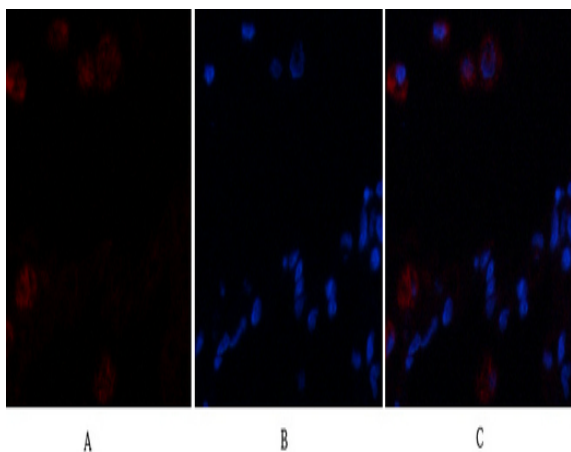
## Products Images



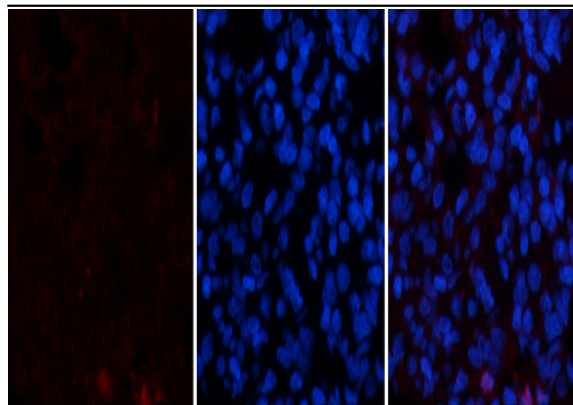
Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



Western blot analysis of lysates from 1) HeLa, 2) mouse-lung ,3) mouse-kidney cells, [Green] primary antibody was diluted at 1:1000, 4° over night, secondary antibody(cat:RS23920)was diluted at 1:10000, 37° 1hour. [Red] GAPDH Monoclonal Antibody(2B8) (cat:YM3029) antibody was diluted at 1:5000 as loading control, 4° over night,secondary antibody(cat:RS23710)was diluted at 1:10000, 37° 1hour.



Immunofluorescence analysis of human-lung tissue. 1,VE-Cadherin Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

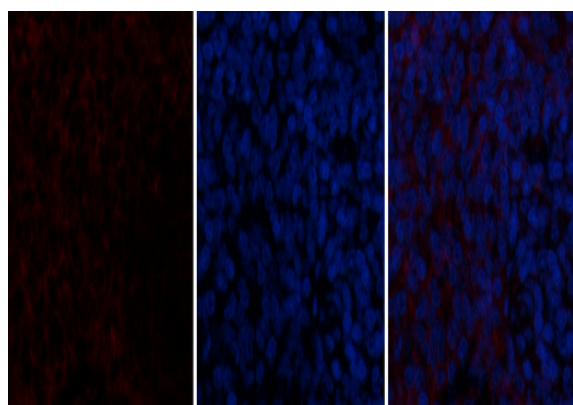


A

B

C

Immunofluorescence analysis of rat-lung tissue. 1,VE-Cadherin Polyclonal Antibody(red) was diluted at 1:200(4 °C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

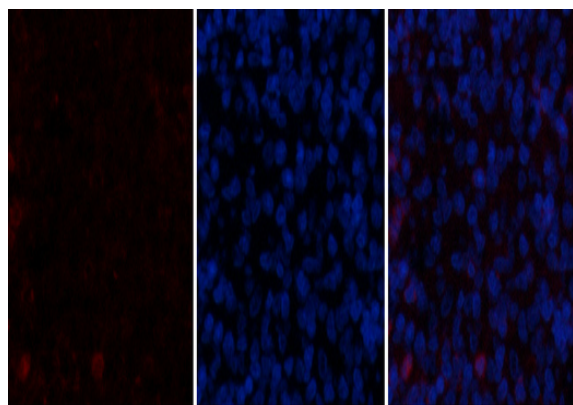


A

B

C

Immunofluorescence analysis of rat-spleen tissue. 1,VE-Cadherin Polyclonal Antibody(red) was diluted at 1:200(4 °C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

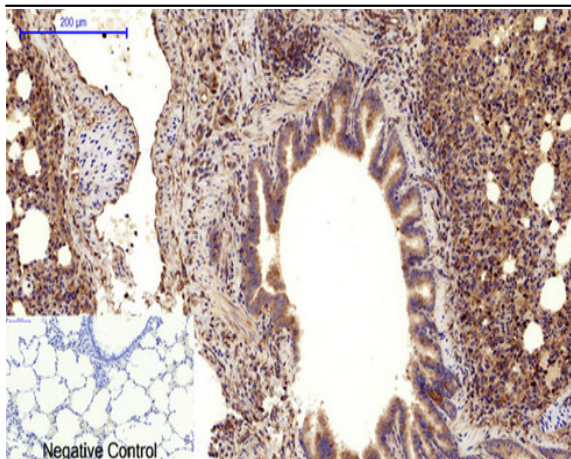


A

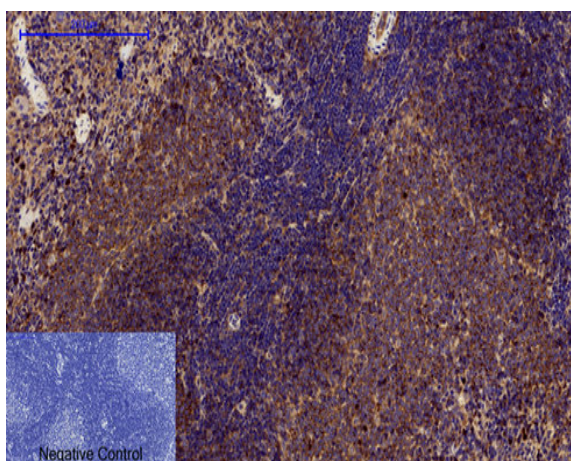
B

C

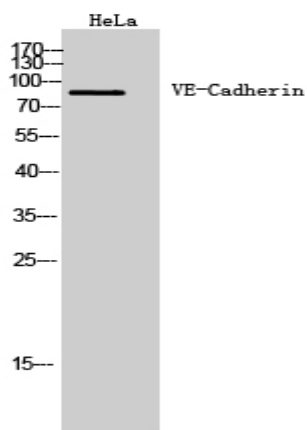
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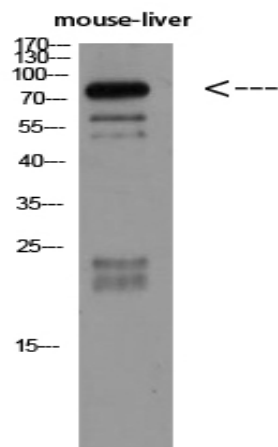
Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1, VE-Cadherin Polyclonal Antibody was diluted at 1:200(4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98 °C, 20min). 3, Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



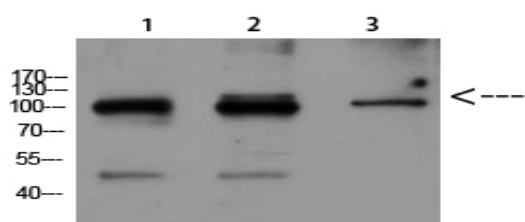
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Western Blot analysis of HeLa cells using VE-Cadherin Polyclonal Antibody. Antibody was diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western Blot analysis of mouse-liver using VE-Cadherin Polyclonal Antibody diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western Blot analysis of mouse-lung mouse-kidney mouse-heart using VE-Cadherin Polyclonal Antibody diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

**1**mouse-lung  
**2**mouse-kidney  
**3**mouse-heart