

## VE-Cadherin Polyclonal Antibody

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| <b>Catalog No :</b>          | YT6128  |
| <b>Reactivity :</b>          | Human;Mouse;Rat   |
| <b>Applications :</b>        | WB;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 (7B4 antigen) (Vascular endothelial cadherin) (VE-cadherin) (CD antigen CD144)                             |
| <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>           | Synthesized peptide derived from human VE-Cadherin Polyclonal AA range: 30-110  |
| <b>Specificity :</b>         | This antibody detects endogenous levels of VE-Cadherin.   |
| <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>            | WB 1:500-2000, ELISA 1:10000-20000  |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |

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| <b>Concentration :</b>        | 1 mg/ml  |
| <b>Storage Stability :</b>    | -15°C to -25°C/1 year(Do not lower than -25°C)   |
| <b>Observed Band :</b>        | 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.   |

## Products Images

138—  
100—  
70—  
55—  
40—  
35—  
25—  
  
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Western blot analysis of CACO2 lysate, antibody was diluted at 1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000