

## **VE-Cadherin Polyclonal Antibody**

Catalog No: YT6128

**Reactivity:** Human; Mouse; Rat

**Applications:** WB;ELISA

Target: VE-Cadherin

Fields: >>Cell adhesion molecules;>>Leukocyte transendothelial migration;>>Fluid

shear stress and atherosclerosis

Gene Name: CDH5

Protein Name: Cadherin-5 (7B4 antigen) (Vascular endothelial cadherin) (VE-cadherin) (CD

antigen CD144)

Human Gene Id: 1003

Human Swiss Prot P33151

No:

Mouse Gene Id: 12562

**Mouse Swiss Prot** 

No:

**Immunogen:** Synthesized peptide derived from human VE-Cadherin Polyclonal AA range:

30-110

P55284

**Specificity:** This antibody detects endogenous levels of VE-Cadherin.

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500-2000, ELISA 1:10000-20000

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.



Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 130kD

**Cell Pathway:** Cell adhesion molecules (CAMs);Leukocyte transendothelial migration;

**Background:** 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],

**Function:** 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.,

Subcellular Location : 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. .

**Expression :** Endothelial tissues and brain.

**Sort**: 24117

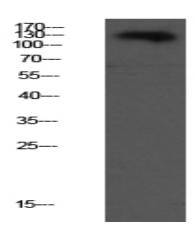
**No4**: 1

Host: Rabbit

Modifications: Unmodified



## **Products Images**



Western blot analysis of CACO2 lysate, antibody was diluted at 1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000