

## VE-Cadherin Polyclonal Antibody

<b>Catalog No.</b>	IPB0299
<b>Reactivity</b>	Human; Mouse;
<b>Applications</b>	WB; IHC-p; ELISA
<b>Dilution</b>	WB: 1:500-1:2000    IHC: 1:50-1:200    ELISA: 1:40000
<b>Gene Name</b>	CDH5
<b>Protein Name</b>	Cadherin-5
<b>Human Gene Id</b>	1003
<b>Swiss-Prot</b>	P33151
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 05% BSA and 002% sodium azide
<b>Source</b>	Rabbit
<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&amp;Stability</b>	-20°C/1 year
<b>Subcellular Location</b>	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
<b>MW</b>	87516
<b>Background</b>	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

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