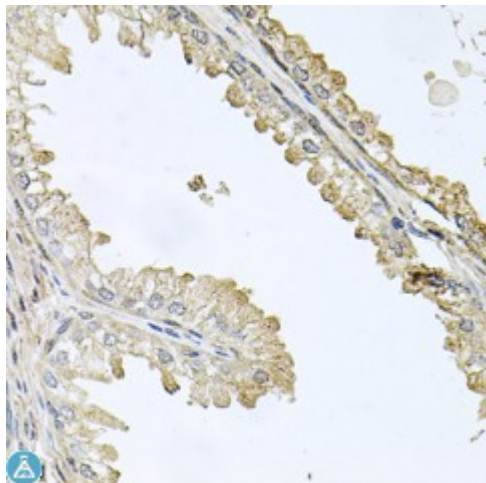


## Anti-CDH5 Antibody



### Description

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.

|                           |   |
|---------------------------|---|
| <b>Model</b>              | STJ114290   |
| <b>Host</b>               | Rabbit  |
| <b>Reactivity</b>         | Human   |
| <b>Applications</b>       | IHC   |
| <b>Immunogen</b>          | A synthetic peptide corresponding to a sequence within amino acids 650-750 of human CDH5 (NP_001786.2). |
| <b>Gene ID</b>            | <a href="#">1003</a>  |
| <b>Gene Symbol</b>        | <a href="#">CDH5</a>  |
| <b>Dilution range</b>     | IHC 1:50 - 1:100  |
| <b>Tissue Specificity</b> | Endothelial tissues and brain   |
| <b>Purification</b>       | Affinity purification   |
| <b>Note</b>               | For Research Use Only (RUO).  |

|   |   |
|---|---|
| <b>Protein Name</b>                     | Cadherin-5 7B4 antigen Vascular endothelial cadherin VE-cadherin CD antigen CD144   |
| <b>Molecular Weight</b>                 | 87.528 kDa  |
| <b>Clonality</b>                        | Polyclonal  |
| <b>Conjugation</b>                      | Unconjugated  |
| <b>Isotype</b>                          | IgG   |
| <b>Formulation</b>                      | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.   |
| <b>Storage Instruction</b>              | Store at -20C. Avoid freeze / thaw cycles.  |
| <b>Database Links</b>                   | <a href="#">HGNC:1764OMIM:601120Reactome:R-HSA-418990</a>   |
| <b>Alternative Names</b>                | Cadherin-5 7B4 antigen Vascular endothelial cadherin VE-cadherin CD antigen CD144   |
| <b>Function</b>                         | Cadherins are calcium-dependent cell adhesion proteins, They preferentially interact with themselves in a homophilic manner in connecting cells |
| <b>Cellular Localization</b>            | Cell junction   |
| <b>Post-translational Modifications</b> | Phosphorylated on tyrosine residues by KDR/VEGFR-2, Dephosphorylated by PTPRB ,   |

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