

## CDH5 Rabbit pAb

|                         |        |                      |                       |
|-------------------------|--------|----------------------|-----------------------|
| <b>Catalog No.</b>      | A12416 | <b>Category</b>      | Polyclonal Antibodies |
| <b>Applications</b>     | IF     | <b>Observed MW</b>   |                       |
| <b>Cross-reactivity</b> | Human  | <b>Calculated MW</b> | 74kDa/87kDa           |

### Immunogen Information

|                   |                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------|
| <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>    | 1003                                                                                                    |
| <b>Swiss prot</b> | P33151                                                                                                  |
| <b>Synonyms</b>   | CDH5;7B4;CD144;cadherin-5                                                                               |

### Product information

|                            |                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Source</b>              | Rabbit                                                                                                   |
| <b>Isotype</b>             | IgG                                                                                                      |
| <b>Purification method</b> | Affinity purification                                                                                    |
| <b>Storage</b>             | Store at -20°C. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |

### 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.

### Recommended Dilutions

IF 1:50 - 1:200

