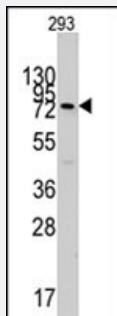


# CDH5 polyclonal antibody

Catalog # PAB2565

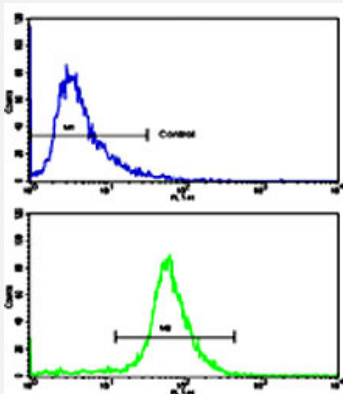
Size 400 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of CDH5 polyclonal antibody (Cat # PAB2565) in 293 cell line lysates (35 ug/lane). CDH5 (arrow) was detected using the purified polyclonal antibody.



### Flow Cytometry

Flow cytometric analysis of 293 cells using CDH5 polyclonal antibody (Cat # PAB2565)(bottom histogram) compared to a negative control cell (top histogram).

FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of CDH5.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human CDH5.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Protein A purification

<b>Recommend Usage</b>	Western Blot (1:1000) Flow cytometry (1:10-50) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Flow cytometric analysis of 293 cells using CDH5 polyclonal antibody (Cat # PAB2565)(bottom histogram) compared to a negative control cell (top histogram).

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## Gene Info — CDH5

<b>Entrez GeneID</b>	<a href="#">1003</a>
<b>Protein Accession#</b>	<a href="#">NP_001786;P33151</a>
<b>Gene Name</b>	CDH5
<b>Gene Alias</b>	7B4, CD144, FLJ17376
<b>Gene Description</b>	cadherin 5, type 2 (vascular endothelium)
<b>Omim ID</b>	<a href="#">601120</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

**Gene Summary**

This gene is a classical cadherin from the cadherin superfamily and is located in a six-cadherin cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Functioning as a classic cadherin by imparting to cells the ability to adhere in a homophilic manner, the protein may play an important role in endothelial cell biology through control of the cohesion and organization of the intercellular junctions. An alternative splice variant has been described but its full length sequence has not been determined. [provided by RefSeq]

**Other Designations**

7B4 antigen|VE-cadherin|cadherin 5, type 2|cadherin 5, type 2, VE-cadherin (vascular epithelium)|cd144 antigen|endothelial-specific cadherin|vascular endothelial cadherin

**Publication Reference**

- [Vascular endothelial cadherin \(VE-cadherin\): cloning and role in endothelial cell-cell adhesion.](#)

Ali J, Liao F, Martens E, Muller WA.

Microcirculation 1997 Jun; 4(2):267.

Application: WB-Ce, Human, HUVEC cells

- [Diversity of the cadherin family: evidence for eight new cadherins in nervous tissue.](#)

Suzuki S, Sano K, Tanihara H.

Cell Regulation 1991 Apr; 2(4):261.

**Pathway**

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)

**Disease**

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)