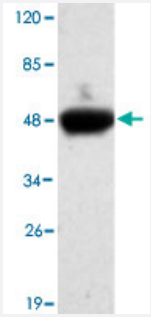
CDH5 monoclonal antibody

Catalog # MAB8745 Size 100 ug

Applications



Western Blot (Recombinant protein)

Western blot analysis of CDH5 monoclonal antibody (Cat # MAB8745) at 1 : 2000 dilution interacts with recombinant CDH5 protein with a DsbA tag. Predicted band size : 51 KDa. Observed band size : 51 KDa.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant CDH5.
Immunogen	Recombinant protein corresponding to N-terminus residues of human CDH5.
Host	Mouse
Reactivity	Human
Specificity	This antibody is specific to CDH5.
Form	Liquid
Purification	Protein G purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:100-1:2000) ELISA (1:5000-1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.02% sodium azide, 50% glycerol)

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Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)

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Gene Info — CDH5

Entrez GeneID	1003
GeneBank Accession#	NM_001795.3
Gene Name	CDH5
Gene Alias	7B4, CD144, FLJ17376
Gene Description	cadherin 5, type 2 (vascular endothelium)
Omim ID	601120
Gene Ontology	Hyperlink
Gene Summary	This gene is a classical cadherin from the cadherin superfamily and is located in a six-cadherin cl uster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity event s in breast and prostate cancer. The encoded protein is a calcium-dependent cell-cell adhesion gl ycoprotein 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 ad here in a homophilic manner, the protein may play an important role in endothelial cell biology thro ugh control of the cohesion and organization of the intercellular junctions. An alternative splice vari ant has been described but its full length sequence has not been determined. [provided by RefSe q
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

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Pathway

- Cell adhesion molecules (CAMs)
- Leukocyte transendothelial migration

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema

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