



Claudin-5 Polyclonal Antibody

E20-70952**Catalog Number:**E20-70952**Amount:**100ul**Applications:**WB;IHC;IF;ELISA**Reactivity:**Human;Mouse;Rat**Target:**Claudin-5**Fields:**>>Cell adhesion molecules;>>Tight junction;>>Leukocyte transendothelial migration;>>Pathogenic Escherichia coli infection;>>Hepatitis C**Gene Name:**CLDN5**Protein Name:**Claudin-5**Human Gene Id:**7122**Human Swiss Prot No:**O00501**Mouse Gene Id:**12741**Mouse Swiss Prot No:**O54942**Rat Gene Id:**65131**Rat Swiss Prot No:**Q9JKD6**Immunogen:**The antiserum was produced against synthesized peptide derived from human Claudin 5. AA range:169-218**Specificity:**Claudin-5 Polyclonal Antibody detects endogenous levels of Claudin-5 protein.**Formulation:**Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.**Source:**Polyclonal, Rabbit, IgG**Dilution:**WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000. IF 1:100-300 Not yet tested in other applications.**Purification:**The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.**Concentration:**1 mg/ml**Storage Stability:**-15°C to -25°C/1 year(Do not lower than -25°C)**Other Name:**CLDN5;AWAL;TMVCF;Claudin-5;Transmembrane protein deleted in VCFS;TMDVCF**Observed Band(KD):**23kD**Background:**This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or

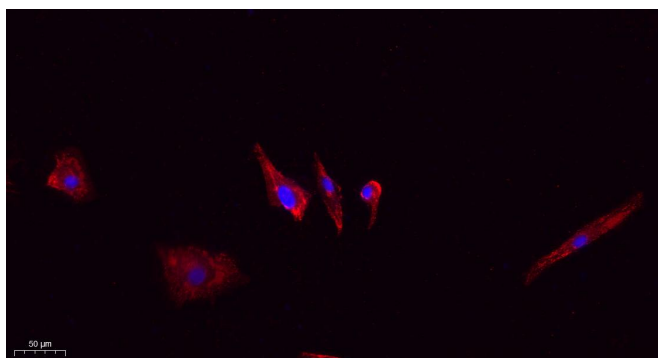
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endothelial cell sheets. Mutations in this gene have been found in patients with velocardiofacial syndrome. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Aug 2008]

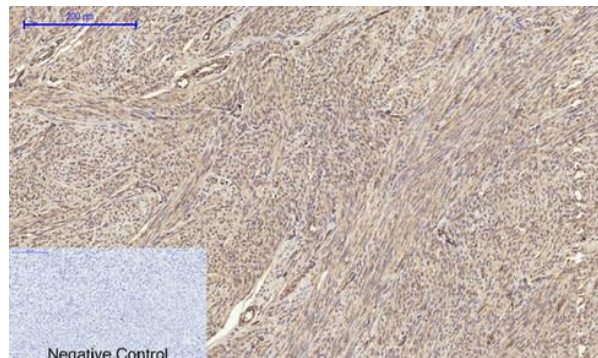
Function:function:Plays a major role in tight junction-specific obliteration of the intercellular space.,similarity:Belongs to the claudin family.,subunit:Directly interacts with TJP1/ZO-1, TJP2/ZO-2 and TJP3/ZO-3. Interacts with MPDZ.

Subcellular Location:Cell junction, tight junction. Cell membrane; Multi-pass membrane protein.

Expression:Adipose tissue,Brain,Lung,Prostate



Immunofluorescence analysis of A549. 1,primary Antibody(red) was diluted at 1:200(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - Alexa Fluor 594 Secondary antibody was diluted at 1:1000(room temperature, 50min).3, Picture B: DAPI(blue) 10min.



Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1,Claudin-5 Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.