



Claudin-5 (phospho Tyr217) Polyclonal Antibody

Catalog No	YP-Ab-16909
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IHC;IF;WB;ELISA
Gene Name	CLDN5
Immunogen	The antiserum was produced against synthesized peptide derived from human Claudin 5 around the phosphorylation site of Tyr217. AA range:169-218
Specificity	Phospho-Claudin-5 (Y217) Polyclonal Antibody detects endogenous levels of Claudin-5 protein only when phosphorylated at Y217.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CLDN5;AWAL;BEC1;Claudin5;Claudin-5;TMVCF;Transmembrane protein deleted in VCFS;TMDVCF
Observed Band	23kD
Calculated Molecular Weight	23kD
Cell Pathway	Cell junction, tight junction. Cell membrane; Multi-pass membrane protein.
Tissue Specificity	Adipose tissue,Brain,Lung,Prostate,
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.,
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 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],

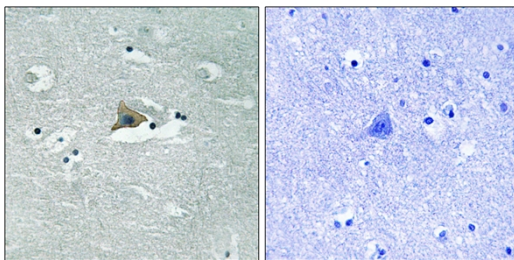
matters needing attention

Avoid repeated freezing and thawing!

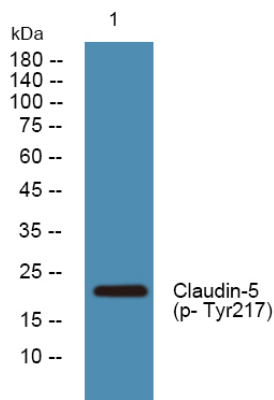
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemistry analysis of paraffin-embedded human brain, using Claudin 5 (Phospho-Tyr217) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HCT116 cells, primary antibody was diluted at 1:1000, 4° over night