Claudin 5 (Phospho-Tyr217) Antibody

Catalog No: #11792

Package Size: #11792-1 50ul #11792-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

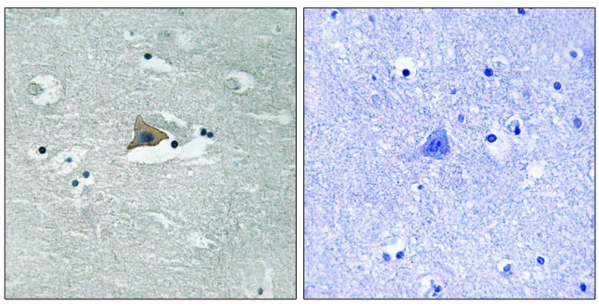
Description

Product Name	Claudin 5 (Phospho-Tyr217) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of Claudin 5 only when phosphorylated at tyrosine 217.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 217 (K-K-N-Y(p)-V) derived from Human Claudin 5.
Target Name	Claudin 5
Modification	Phospho
Other Names	CLD5; CLDN5; TMDVCF;
Accession No.	Swiss-Prot#: O00501; NCBI Gene#: 7122; NCBI Protein#: NP_001124333.1.
Uniprot	O00501
GeneID	7122;
SDS-PAGE MW	23kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human brain tissue using Claudin 5 (Phospho-Tyr217) antibody #11792 (left)or the same antibody preincubated with blocking peptide (right).

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.

Sirotkin H., Genomics 42:245-251(1997).

Collins J.E., Genome Biol. 5:RESEARCH84.1-RESEARCH84.11(2004).

The MGC Project Team; Genome Res. 14:2121-2127(2004).

Note: This product is for in vitro research use only