

Claudin 5 (Phospho-Tyr217) Antibody

Catalog No: #11792



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

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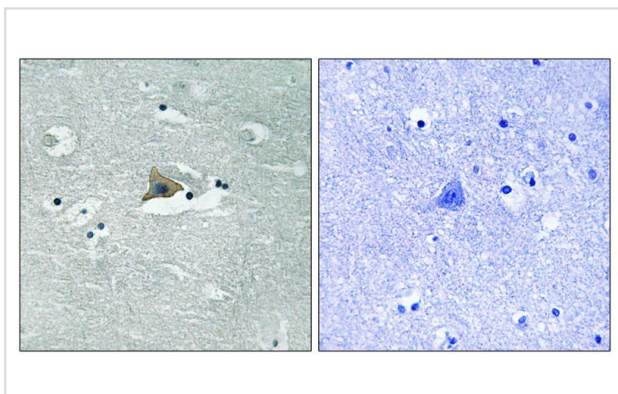
Description

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 chromatography 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.
SDS-PAGE MW	23kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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 and is not intended for use in humans or animals.