Claudin 3 (Phospho-Tyr219) Antibody

Catalog No: #11791

Package Size: #11791-1 50ul #11791-2 100ul

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

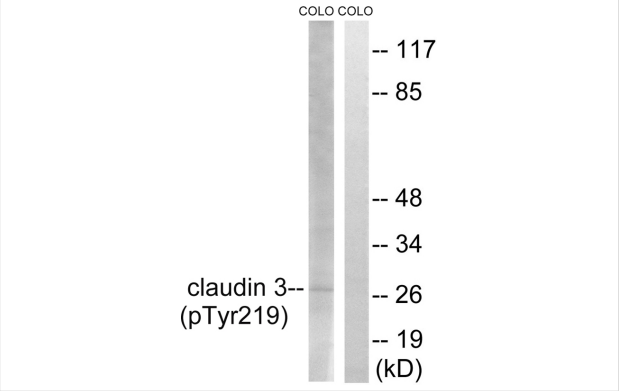
Description

Product Name	Claudin 3 (Phospho-Tyr219) 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	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of Claudin 3 only when phosphorylated at tyrosine 219.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 219 (R-K-D-Y(p)-V) derived from Human Claudin 3.
Target Name	Claudin 3
Modification	Phospho
Other Names	CLD3; CLDN3; HRVP1; CPE-R 2; CPE-receptor 2
Accession No.	Swiss-Prot#: O15551; NCBI Gene#: 1365; NCBI Protein#: NP_001297.1.
SDS-PAGE MW	28kd
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

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from COLO cells treated with EGF using Claudin 3 (Phospho-Tyr219) Antibody #11791.The lane on the right is treated with the antigen-specific peptide.

Background

Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this intronless gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands.

Peacock R.E., Genomics 46:443-449(1997).
Katahira J., J. Biol. Chem. 272:26652-26658(1997).
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.