Claudin 5 Conjugated Antibody

Catalog No: #C49471

Package Size: #C49471-AF350 100ul #C49471-AF405 100ul #C49471-AF488 100ul #C49471-AF555 100ul #C49471-AF594 100ul #C49471-AF647 100ul #C49471-AF680 100ul #C49471-AF750 100ul #C49471-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Claudin 5 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Androgen withdrawal and apoptosis induced protein RVP1 like antibody AWAL antibody BEC 1 antibody BEC1 antibody Claudin 5 (transmembrane protein deleted in velocardiofacial syndrome) antibody Claudin-5 antibody Claudin5 antibody CLD5_HUMAN antibody CLDN 5 antibody Cldn5 antibody CPETR L1 antibody CPETRL 1 antibody CPETRL1 antibody TMDVCF antibody TMVCF antibody Transmembrane protein deleted in VCFS antibody Transmembrane protein deleted in velocardiofacial syndrome antibody
Accession No.	Swiss-Prot#:O00501
Uniprot	O00501
GeneID	7122;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	24 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

The claudin superfamily consists of many structurally related proteins in humans. These proteins are important structural and functional components of tight junctions in paracellular transport. Claudins are located in both epithelial and endothelial cells in all tight junction-bearing tissues. Three classes of proteins are known to localize to tight junctions, including the claudins, Occludin and Junction adhesion molecule. Claudins, which consist of four transmembrane domains and two extracellular loops make up tight junction strands. Claudin expression is highly restricted to specfic regions of different tissues and may have an important role in transcellular transport through tight junctions. Claudin-5 is expressed in the endothelial junctions of the rat liver and in junctions of acinar cells of the pancreas. Human Claudin-5 is abundantly expressed in adult lung, heart and skeletal muscle and is deleted in patients with velocardiofacial syndrone, which is characterized by cleft palate, facial dysmorphology and conotruncal heart defects.

Note: This product is for in vitro research use only