AQP1 Conjugated Antibody

Catalog No: #C49447

Package Size: #C49447-AF350 100ul #C49447-AF405 100ul #C49447-AF488 100ul #C49447-AF555 100ul #C49447-AF594 100ul #C49447-AF647 100ul #C49447-AF680 100ul #C49447-AF750 100ul #C49447-Biotin 100ul

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

Description

Product Name	AQP1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	AQP 1 antibody AQP CHIP antibody AQP-1 antibody AQP1 antibody AQP1_HUMAN antibody aquaporin 1 (channel-forming integral protein, 28kDa, CO blood group) antibody aquaporin 1 (Colton blood group) antibody Aquaporin CHIP antibody Aquaporin-1 antibody Aquaporin-CHIP antibody Aquaporin1 antibody Channel forming integral protein 28kDa antibody Channel like integral membrane protein 28 kDa antibody CHIP 28 antibody CHIP28 antibody CO antibody Colton blood group antibody Growth factor induced delayed early response protein antibody MGC26324 antibody Urine water channel antibody Water channel protein CHIP 29 antibody Water channel protein CHIP29 antibody Water channel protein for red blood cells and kidney proximal tubule antibody
Accession No.	Swiss-Prot#:P29972
Uniprot	P29972
GeneID	358;
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	28/35 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

Aquaporins (AQPs) are a large family of integral membrane water transport channel proteins that facilitate the transport of water through the cell membrane. This function is conserved in animals, plants and bacteria. Many isoforms of Aquaporin have been identified in mammals, designated AQP0 through AQP10. Aquaporins are widely distributed and it is not uncommon for more than one type of AQP to be present in the same cell. Although most Aquaporins are only permeable to water, AQP3, AQP7, AQP9 and one of the two AQP10 transcripts are also permeable to urea and glycerol. AQP2 is the only water channel that is activated by vasopressin to enhance water reabsorption in the kidney collecting duct. Aquaporins are involved in renal water absorption, generation of pulmonary secretions, lacrimation and the secretion and reabsorption of cerebrospinal fluid and aqueous humor. AQP1 is an integral membrane protein expressed in erythrocytes and renal tubule cells.

Note: This product is for in vitro research use only