

CoraLite®594-conjugated AQP1 Monoclonal antibody

Catalog Number: **CL594-66805**

Basic Information

Catalog Number: CL594-66805	GenBank Accession Number: BC022486	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 358	CloneNo.: 2E5D6
Source: Mouse	UNIPROT ID: P29972	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG1	Full Name: aquaporin 1 (Colton blood group)	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG14093	Calculated MW: 269 aa, 29 kDa	
	Observed MW: 28 kDa, 38-40 kDa	

Applications

Tested Applications: IF-P	Positive Controls: IF-P : human kidney tissue,
Species Specificity: Human, pig	

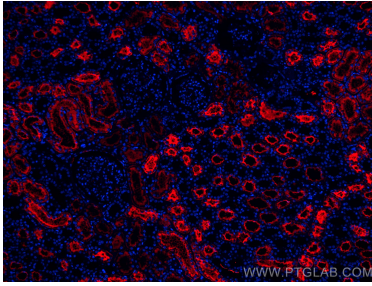
Background Information

AQP1 is a member of aquaporins (AQPs) that are small membrane-spanning proteins facilitating water transport. AQP1 is expressed in most tissues in the mammalian body. Alterations of AQP1 expression have been linked to variety of diseases, including cancer. The predicted molecular weight of AQP1 is around 28 kDa, while highly glycosylated form can also be observed around 40-45 kDa. (1530176)

Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using CoraLite® 594 AQP1 antibody (CL594-66805, Clone: 2E5D6) at dilution of 1:200.