

For Research Use Only

CoraLite® Plus 488-conjugated AQP1 Monoclonal antibody

Catalog Number: CL488-66805



Basic Information

Catalog Number: CL488-66805	GenBank Accession Number: BC022486	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	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: 493 nm / 522 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)

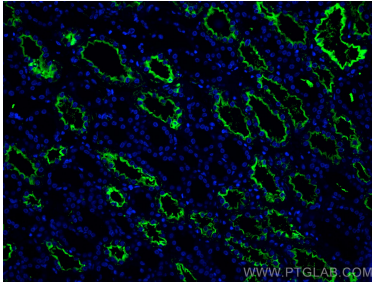
Storage

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

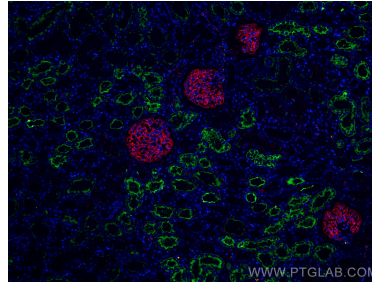
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using CoraLite® Plus 488 AQP1 antibody (CL488-66805, Clone: 2E5D6) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed human kidney tissue using CoraLite® Plus 488 AQP1 antibody (CL488-66805, Clone: 2E5D6) at dilution of 1:400, CoraLite® 594 Podocalyxin antibody (CL594-18150, red).