

For Research Use Only

CoraLite® Plus 488-conjugated AQP1 Polyclonal antibody



Catalog Number: CL488-20333

Basic Information

Catalog Number: CL488-20333	GenBank Accession Number: BC022486	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 358	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: aquaporin 1 (Colton blood group)	Excitation/Emission maxima wavelengths: 488 nm / 515 nm
Isotype: IgG	Calculated MW: 269 aa, 29 kDa	
Immunogen Catalog Number: AG14093	Observed MW: 25-28 kDa, 40-45 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : mouse kidney tissue, human breast cancer tissue
Species Specificity: human, mouse, rat	

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

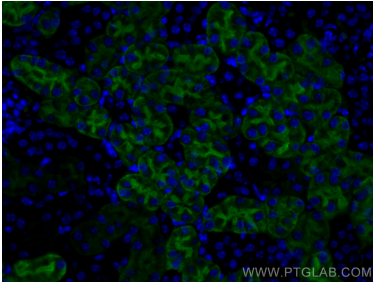
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

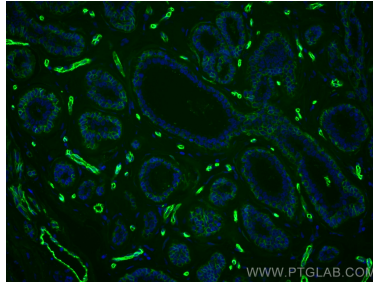
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using Coralite® Plus 488 AQP1 antibody (CL488-20333) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using Coralite® Plus 488 AQP1 antibody (CL488-20333) at dilution of 1:200.