

For Research Use Only

# CoraLite® Plus 488-conjugated AQP1 Polyclonal antibody

Catalog Number: CL488-20333



## Basic Information

### Catalog Number:

CL488-20333

### Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG14093

### GenBank Accession Number:

BC022486

### GeneID (NCBI):

358

### UNIPROT ID:

P29972

### Full Name:

aquaporin 1 (Colton blood group)

### Calculated MW:

269 aa, 29 kDa

### Observed MW:

25-28 kDa, 40-45 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

IF-P 1:50-1:500

### Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

### Tested Applications:

IF-P

### Species Specificity:

human, mouse, rat

### Positive Controls:

IF-P : mouse kidney tissue, human breast cancer tissue

## 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

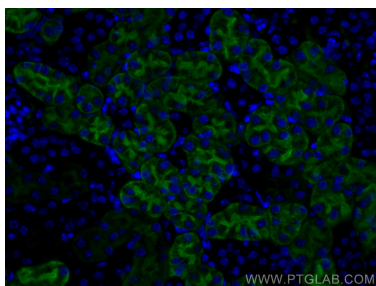
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

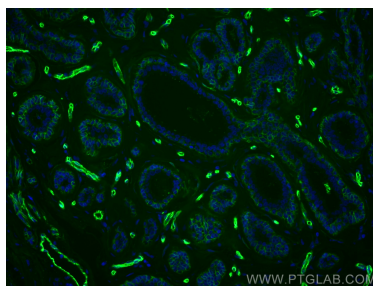
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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.