

CoraLite® Plus 488-conjugated AQP1 Polyclonal antibody

Catalog Number: **CL488-20333**

Basic Information

Catalog Number:

CL488-20333

Size:

1000 µg/ml

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:

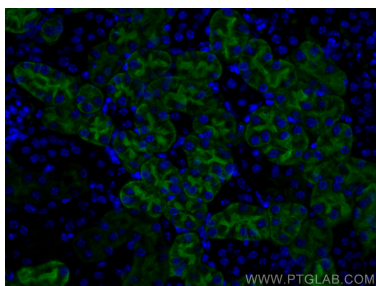
Store at -20°C. Avoid exposure to light.

Storage Buffer:

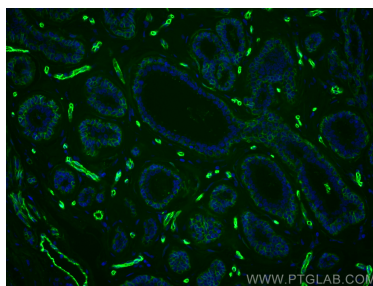
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed 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.