

For Research Use Only

CoraLite®594-conjugated AQP1 Monoclonal antibody

Catalog Number:CL594-66805



Basic Information

Catalog Number:

CL594-66805

Size:

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

Source:

Mouse

Isotype:

IgG1

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:

28 kDa, 38-40 kDa

Purification Method:

Protein G purification

CloneNo.:

2E5D6

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF-P

Species Specificity:

Human, pig

Positive Controls:

IF-P : human kidney 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

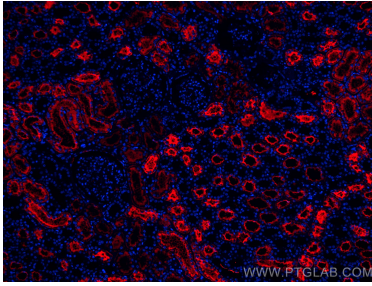
For technical support and original validation data for this product please contact:

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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® 594 AQP1 antibody (CL594-66805, Clone: 2E5D6) at dilution of 1:200.