

For Research Use Only



CoraLite® Plus 647-conjugated Aquaporin 4 Polyclonal antibody

Catalog Number:CL647-16473

Featured Product

2 Publications

Basic Information

Catalog Number:

CL647-16473

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9561

GenBank Accession Number:

BC022286

GeneID (NCBI):

361

UNIPROT ID:

P55087

Full Name:

aquaporin 4

Calculated MW:

323 aa, 35 kDa

Observed MW:

35-37 kDa, 32-34 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

IF

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

IF-P : mouse brain tissue,

Background Information

Aquaporins are specialized water transport channels in plasma membranes of water-permeable tissues. Aquaporin-4 (AQP4) is the most abundant water channel in the human central nervous system and is important to fluid movements in brain. Aquaporin-4 exists as two isoforms, a long (M1) isoform with translation initiation at Met-1, and a shorter (M23) isoform with translation initiation at Met-23, with molecular weights around 35-37 kDa and 32-34 kDa, respectively.

Notable Publications

Author	Pubmed ID	Journal	Application
Min Yu	37925638	Cell Rep	IF
Chanung Wang	37279069	J Clin Invest	IF

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

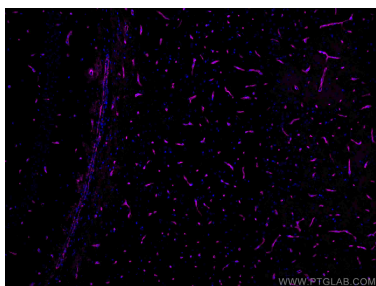
For technical support and original validation data for this product please contact:

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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 mouse brain tissue using CoraLite® Plus 647 Aquaporin 4 antibody (CL647-16473) at dilution of 1:200.