For Research Use Only

CoraLite® Plus 488-conjugated Aquaporin 4 Polyclonal antibody

Catalog Number:CL488-16473 Featured Product

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL488-16473

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG9561

GenBank Accession Number:
BC022286

GeneID (NCBI):
361

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 1:50-1:500

Excitation/Emission maxima wavelengths:
488 nm / 515 nm

Applications

Tested Applications:
IF

Species Specificity:
human, mouse, rat

Positive Controls:

IF : 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.

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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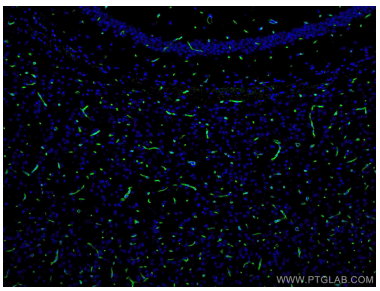
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® Plus 488 Aquaporin 4 antibody (CL488-16473) at dilution of 1:200.