

For Research Use Only



CoraLite®594-conjugated Aquaporin 4 Polyclonal antibody

Catalog Number: **CL594-16473**

Featured Product

Basic Information

Catalog Number:
CL594-16473

Size:
100ul , Concentration: 1000 µg/ml by 361
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:

593 nm/614 nm

Applications

Tested Applications:

IF

Species Specificity:

human, mouse, rat

Positive Controls:

IF : rat 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

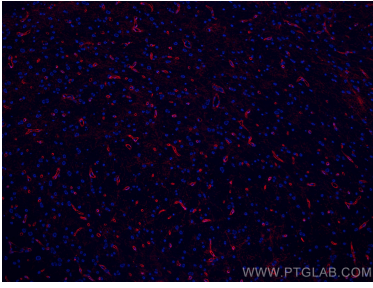
For technical support and original validation data for this product please contact:

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

E: proteintech@ptglab.com
W: 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 rat brain tissue using CoraLite®594 Aquaporin 4 antibody (CL594-16473) at dilution of 1:200.