

For Research Use Only

# CoraLite®594-conjugated Aquaporin 4 Recombinant antibody

Catalog Number: CL594-82296-6



## Basic Information

Catalog Number:

CL594-82296-6

Concentration:

1000 ug/ml

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:

32-34 kDa

Purification Method:

Protein A purification

CloneNo.:

240856C7

Recommended Dilutions:

IF-P: 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse, rat

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.

## 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

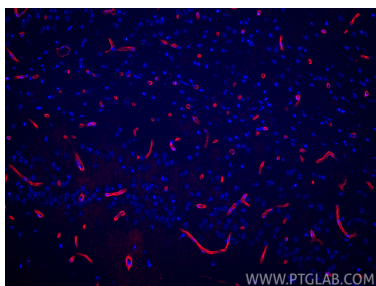
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

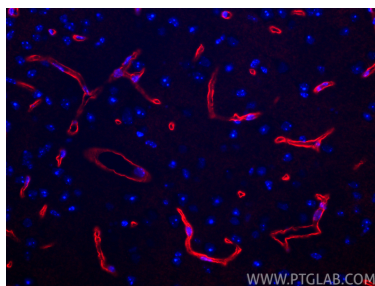
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using CoraLite®594 Aquaporin 4 antibody (CL594-82296-6, Clone: 240856C7 ) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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