

For Research Use Only

AQP4 Monoclonal antibody

Catalog Number: 68448-1-Ig



Basic Information

Catalog Number:

68448-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG9830

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

Purification Method:

Protein A purification

CloneNo.:

3G7D3

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, mouse, rat, rabbit, pig

Positive Controls:

WB : pig brain tissue, rat spinal cord tissue, rabbit brain tissue, rat brain tissue, 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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

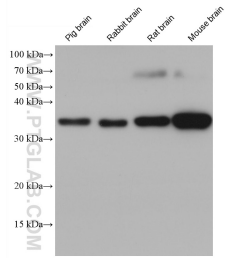
T: 4006900926

E: Proteintech-CN@ptglab.com

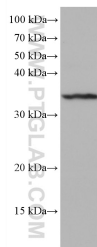
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68448-1-Ig (AQP4 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



rat spinal cord tissue were subjected to SDS PAGE followed by western blot with 68448-1-Ig (AQP4 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.