

For Research Use Only

Aquaporin 4 Monoclonal antibody, PBS Only

Catalog Number: 68448-1-PBS



Basic Information

Catalog Number: 68448-1-PBS	GenBank Accession Number: BC022286	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 361	CloneNo.: 3G7D3
Source: Mouse	UNIPROT ID: P55087	
Isotype: IgG2b	Full Name: Aquaporin 4	
Immunogen Catalog Number: AG9830	Calculated MW: 323 aa, 35 kDa	
	Observed MW: 35-37 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat, pig, rabbit

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

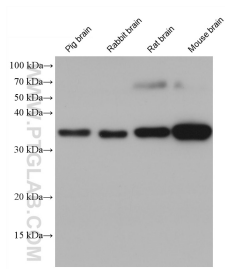
T: 4006900926

E: Proteintech-CN@ptglab.com

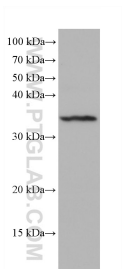
W: ptgcn.com

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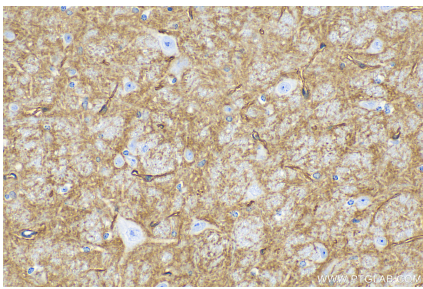
Selected Validation Data



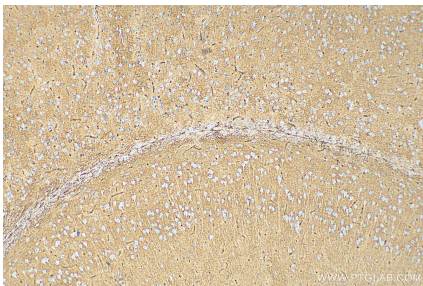
Various lysates were subjected to SDS PAGE followed by western blot with 68448-1-Ig (AQP4 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68448-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 68448-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68448-1-Ig (Aquaporin 4 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68448-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 68448-1-Ig (Aquaporin 4 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68448-1-PBS in a different storage buffer formulation.