

For Research Use Only

# AQP4 Monoclonal antibody, PBS Only



Catalog Number: 68448-1-PBS

## Basic Information

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

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
Human, mouse, rat, rabbit, pig

## 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.

**Storage Buffer:**  
PBS Only

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

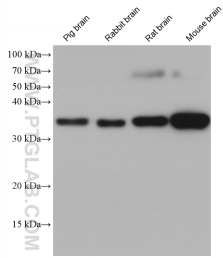
T: 4006900926

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

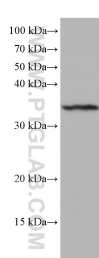
W: [ptgcn.com](http://ptgcn.com)

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

## 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.