

For Research Use Only

# PMP2 Polyclonal antibody

Catalog Number:12717-1-AP

Featured Product

17 Publications



## Basic Information

<b>Catalog Number:</b> 12717-1-AP	<b>GenBank Accession Number:</b> BC034997	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop and 540 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5375	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P02689	
<b>Isotype:</b> IgG	<b>Full Name:</b> peripheral myelin protein 2	
<b>Immunogen Catalog Number:</b> AG3411	<b>Calculated MW:</b> 132 aa, 15 kDa	
	<b>Observed MW:</b> 15-20 kDa	

## Applications

**Tested Applications:**  
WB, IHC, ELISA

**Cited Applications:**  
WB, IHC, IF

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

**Cited Species:**  
human, mouse, rat, pig

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** pig spinal cord tissue, human brain tissue, mouse testis tissue

**IHC :** human gliomas tissue,

## Background Information

PMP2 (peripheral myelin protein-2, also known as P2) is one of the major proteins of peripheral myelin and appears to be related to the transport of fatty acids or the metabolism of myelin lipids. P2 constitutes up to 15% of total protein of peripheral nervous system (PNS) myelin. It is also present in small amounts in central nervous system (CNS) myelin, being abundant in spinal cord and brain stem myelin. As a structural protein, P2 is thought to stabilize the myelin membranes.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lakshmi Dhevi N Selvan	26181685	Mol Biosyst	IHC
Jureepon Roboon	36274991	Front Cell Neurosci	WB
Jennifer Zenker	24849898	Glia	IHC

## Storage

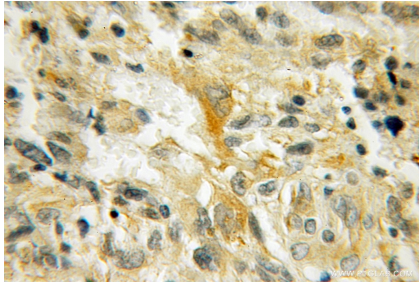
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

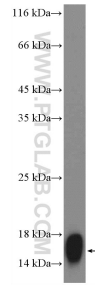
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human gliomas using 12717-1-AP (PMP2 antibody) at dilution of 1:100 (under 10x lens).



pig spinal cord tissue were subjected to SDS PAGE followed by western blot with 12717-1-AP (PMP2 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.