

For Research Use Only

# PMP2 Recombinant monoclonal antibody

Catalog Number: 85594-5-RR



## Basic Information

<b>Catalog Number:</b> 85594-5-RR	<b>GenBank Accession Number:</b> BC034997	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5375	<b>CloneNo.:</b> 243016D10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P02689	<b>Recommended Dilutions:</b> WB: 1:500-1:2000
<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 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : fetal human brain tissue, mouse testis tissue, pig spinal cord tissue
<b>Species Specificity:</b> human, mouse, pig	

## 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.

## Storage

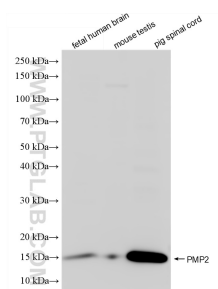
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

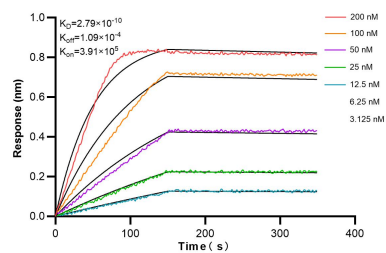
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85594-5-RR (PMP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85594-5-RR against Human PMP2 were performed. The affinity constant is 0.279 nM.