

For Research Use Only

# PMP2 Recombinant monoclonal antibody

Catalog Number: 85594-5-RR



## Basic Information

Catalog Number:	85594-5-RR	GenBank Accession Number:	BC034997	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	5375	CloneNo.:	243016D10
Source:	Rabbit	UNIPROT ID:	P02689	Recommended Dilutions:	WB: 1:500-1:2000
Isotype:	IgG	Full Name:	peripheral myelin protein 2		
Immunogen Catalog Number:	AG3411	Calculated MW:	132 aa, 15 kDa		
		Observed MW:	15 kDa		

## Applications

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

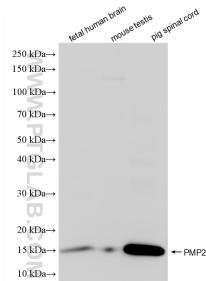
Storage: Store at -20°C. Stable for one year after shipment.  
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

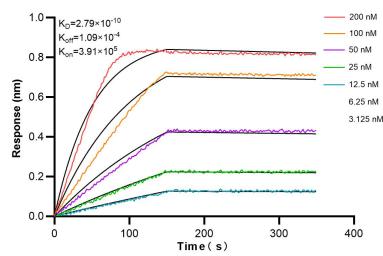
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



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.