

For Research Use Only

# LONP2 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86291-2-PBS



## Basic Information

Catalog Number:	86291-2-PBS	GenBank Accession Number:	BC093910	Purification Method:	Protein A purification
Concentration:	1 mg/ml	GeneID (NCBI):	83752	CloneNo.:	251061E10
Source:	Rabbit	UNIPROT ID:	Q86WA8		
Isotype:	IgG	Full Name:	Lon peptidase 2, peroxisomal		
Immunogen Catalog Number:	AG12650	Calculated MW:	852 aa, 95 kDa		
		Observed MW:	95 kDa		

## Applications

Tested Applications:  
WB, Indirect ELISA

Species Specificity:  
human, mouse

## Background Information

LONP2 (Lon Peptidase 2, Peroxisomal) is an important ATP-dependent protease. It is primarily located in peroxisomes and is responsible for maintaining the proteostasis of this organelle. By degrading misfolded proteins and selectively regulating metabolic enzymes, LONP2 plays a central role in maintaining peroxisomal proteostasis and metabolic balance. Dysfunction of LONP2 is closely related to a variety of human diseases, including peroxisomal disorders, cancer, and neurodegenerative diseases.

## 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, pH7.3

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

T: 4006900926

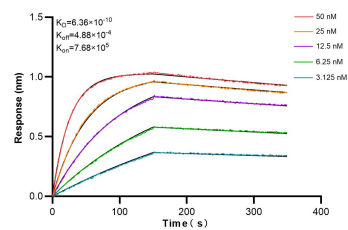
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

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## Selected Validation Data

Various lysates were subjected to SDS PAGE followed by western blot with 86291-2-RR (LONP2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86291-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86291-2-RR against Human LONP2 were performed. The affinity constant is 0.636 nM.