

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
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	83752
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.

### Storage Buffer:

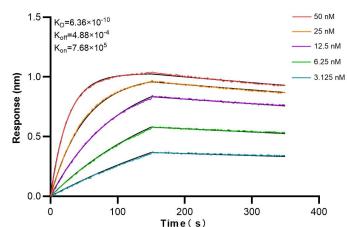
PBS only, pH7.3

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

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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.