

For Research Use Only

# LONP2 Recombinant monoclonal antibody

Catalog Number:86291-2-RR



## Basic Information

Catalog Number:	86291-2-RR	GenBank Accession Number:	BC093910	Purification Method:	Protein A purification
Concentration:	1000 µg/ml	GenID (NCBI):	83752	CloneNo.:	251061E10
Source:	Rabbit	UNIPROT ID:	Q86WA8	Recommended Dilutions:	WB: 1:2000-1:10000
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, ELISA	Positive Controls:
Species Specificity:	human, mouse	WB: Jurkat cells, K-562 cells, U2OS cells, SH-SY5Y cells, HUVEC cells, mouse kidney tissue

## 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.

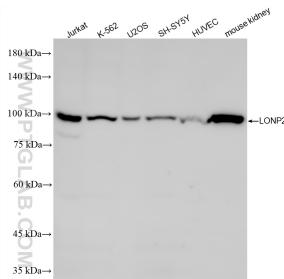
## Storage

**Storage:**  
Store at -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**

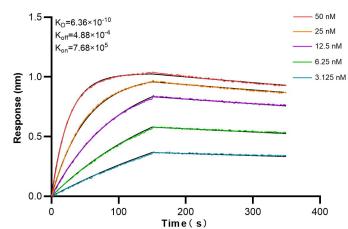
For technical support and original validation data for this product please contact:  
T: 4006900926      E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)      W: [ptgcn.com](http://ptgcn.com)

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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.



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