

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
Concentration:	1 mg/ml	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.

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

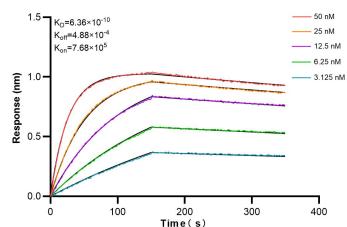
E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.