

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
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	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.

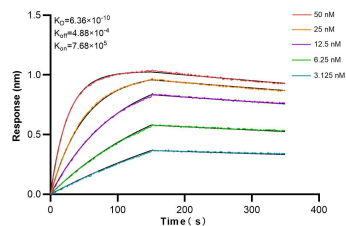
Storage Buffer:
PBS only, pH7.3

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.