



Rabbit Anti-LONP2 antibody

SL18336R

Product Name:	LONP2
Chinese Name:	Lon蛋白酶2抗体
Alias:	Lon peptidase 2, peroxisomal; Lon protease 2; Lon protease homolog 2; Lon protease homolog 2 peroxisomal; Lon protease like protein 2; Lon protease-like protein 2; LONP; lonp2; LONP2_HUMAN; LONPL; MGC4840; Peroxisomal Lon protease; Peroxisomal Lon protease homolog 2; Peroxisomal LON protease like.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	22kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LONP2:531-630/852
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	ATP-dependent serine protease that mediates the selective degradation of misfolded and unassembled polypeptides in the peroxisomal matrix. Necessary for type 2 peroxisome targeting signal (PTS2)-containing protein processing and facilitates peroxisome matrix protein import.

Subunit:

Interacts with PEX5. Interacts with TYSND1.

Subcellular Location:

Peroxisome matrix.

Similarity:

Belongs to the peptidase S16 family. Contains 1 Lon domain.

SWISS:

Q86WA8

Gene ID:

83752

Database links:

[Entrez Gene: 83752](#) Human

[Entrez Gene: 66887](#) Mouse

[Entrez Gene: 291922](#) Rat

[SwissProt: Q86WA8](#) Human

[SwissProt: Q9DBN5](#) Mouse

[SwissProt: Q3MIB4](#) Rat

[Unigene: 295923](#) Human

[Unigene: 324550](#) Mouse

[Unigene: 103067](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.