

Lon Protease Homolog, Mitochondrial (LONP1) Antibody

Catalogue No.: abx031076



This gene encodes a mitochondrial matrix protein in the Lon family of ATP-dependent proteases. A similar E. coli protein regulates gene expression by targeting specific regulatory proteins for degradation. This protein binds a specific sequence in the light and heavy chain promoters of the mitochondrial genome which are involved in regulation of DNA replication and transcription.

Target:	Lon Protease Homolog, Mitochondrial (LONP1)
Clonality:	Polyclonal
Reactivity:	Human, Mouse
Tested Applications:	ELISA, WB
Host:	Rabbit
Recommended dilutions:	WB: 1/2000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 389-418 amino acids from the Central region of human LONP1.
Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein A column, followed by peptide affinity purification.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P36776 (UniProt , ExPASy)
Gene Symbol:	LONP1

Datasheet

Version: 3.0.0

Revision date: 31 Jul 2025



KEGG: hsa:9361

String: [9606.ENSP00000353826](#)

Molecular Weight: Calculated MW: 106 kDa

Buffer: PBS containing 0.09% sodium azide.

Specificity: Predicted to react with Rat and Cow LONP1.

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