

Rabbit anti-Human LONP1 Polyclonal Antibody | anti-LONP1 antibody

LONP1 Antibody

CATALOG # AAA231153	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

LONP1; Polyclonal Antibody; LONP1 Antibody; Lon protease homolog; mitochondrial; UniRule annotation; LONHs; Lon protease-like protein; anti-LONP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	895
Applicable Applications for anti-LONP1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Species	Human
Immunogen	Recombinant human Lon protease homolog, mitochondrial protein
Conjugate	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IF (Immunofluorescence)

Immunofluorescent analysis of HepG2 cells using AAA231153 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human thyroid tissue using AAA231153 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-LONP1 antibody	ATP-dependent serine protease that mediates the selective degradation of misfolded, unassembled or oxidatively damaged polypeptides as well as certain short-lived regulatory proteins in the mitochondrial matrix. May also have a chaperone function in the assembly of inner membrane protein complexes. Participates in the regulation of mitochondrial gene expression and in the maintenance of the integrity of the mitochondrial genome. Binds to mitochondrial promoters and RNA in a single-stranded, site-specific, and strand-specific manner. May regulate mitochondrial DNA replication and/or gene expression using site-specific, single-stranded DNA binding to target the degradation of regulatory proteins binding to adjacent sites in mitochondrial promoters. Endogenous substrates include mitochondrial steroidogenic acute regulatory (StAR) protein.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	451327634
NCBI GeneID	9361
NCBI Accession #	NP_001263408.1
NCBI GenBank Nucleotide #	NM_001276479.1
UniProt Accession #	P36776; P36777; Q8N8K8; Q9UQ95; B3KPH8; D6W635; E5KMH8; F5GZ27
Molecular Weight	85,642 Da
NCBI Official Full Name	lon protease homolog, mitochondrial isoform 2
NCBI Official Synonym Full Names	lon peptidase 1, mitochondrial
NCBI Official Symbol	LONP1
NCBI Official Synonym Symbols	LON; LONP; PIM1; hLON; LonHS; CODASS; PRSS15
NCBI Protein Information	lon protease homolog, mitochondrial
UniProt Protein Name	Lon protease homolog, mitochondrial
UniProt Gene Name	LONP1
UniProt Synonym Gene Names	LONP
UniProt Entry Name	LONM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lonp1-antibody-immunofluorescence-immunohistochemistry-elisa/231153>