



Datasheet for ABIN705806
anti-LONP1 antibody (AA 361-460)



[Go to Product page](#)

5 Images

Overview

Quantity:	100 µL
Target:	LONP1
Binding Specificity:	AA 361-460
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LONP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human LONP1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	LONP1
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Target Details

Alternative Name: LONP1 ([LONP1 Products](#))

Background: Synonyms: LON, LONP, hLON, LonHS, PRSS15, Lon protease homolog, mitochondrial, Lon protease-like protein, Mitochondrial ATP-dependent protease Lon, Serine protease 15, LONP1
Background: 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.

Gene ID: 9361

UniProt: [P36776](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

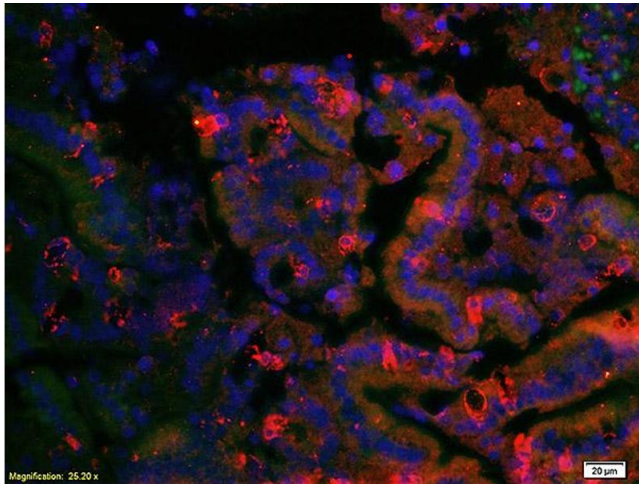
handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

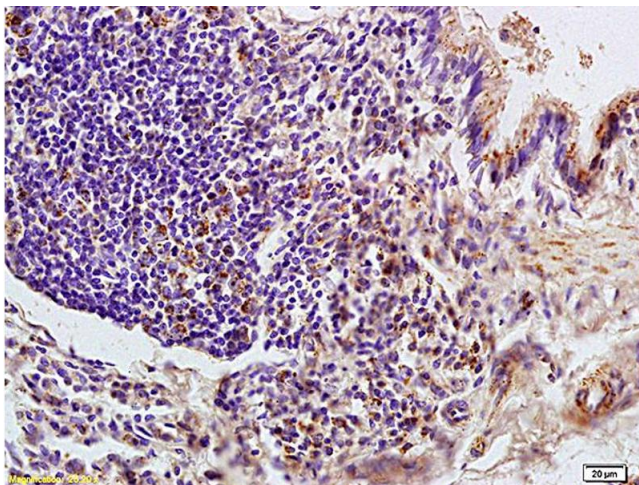
Expiry Date: 12 months

Images



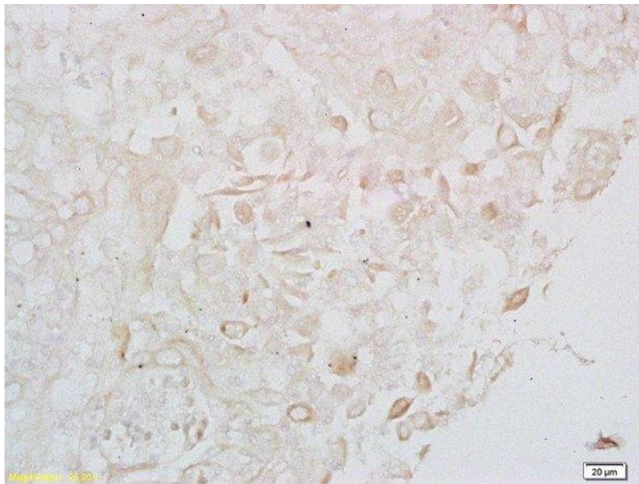
Immunofluorescence

Image 1. Formalin-fixed and paraffin embedded human cervical carcinoma labeled with Anti- LONP1 Polyclonal Antibody, Unconjugated (ABIN705806) at 1:200 followed by conjugation to the secondary antibody



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat colon labeled with Anti- LONP1 Polyclonal Antibody, Unconjugated (ABIN705806) at 1:200 followed by conjugation to the secondary antibody Goat Anti-Rabbit IgG, Cy3 conjugated used at 1:200 dilution for 40 minutes at 37°C



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded human cervical carcinoma labeled with Anti- LONP1 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN705806.