

Product datasheet for **TA351359S**

LONP1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: A431, NIH/3T3 and HepG2 cells, Mouse liver tissue and Hela cells IHC: 25-100 Positive control: Human breast cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human LONP1
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	106 kDa
Gene Name:	lon peptidase 1, mitochondrial
Database Link:	NP_004784 Entrez Gene 9361 Human P36776
Background:	This gene encodes a mitochondrial matrix protein that belongs to the Lon family of ATP-dependent proteases. This protein mediates the selective degradation of misfolded, unassembled or oxidatively damaged polypeptides in the mitochondrial matrix. It may also have a chaperone function in the assembly of inner membrane protein complexes, and participate in the regulation of mitochondrial gene expression and maintenance of the integrity of the mitochondrial genome.

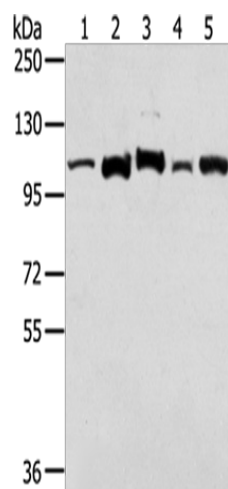


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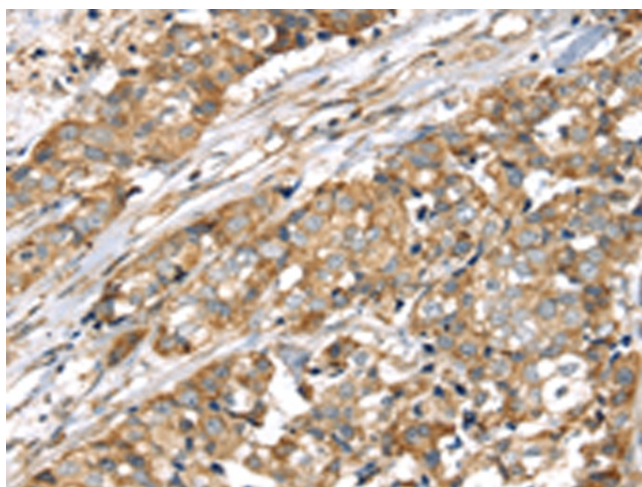
Synonyms: CODASS; hLON; LON; LonHS; LONP; PIM1; PRSS15

Protein Families: Druggable Genome, Protease

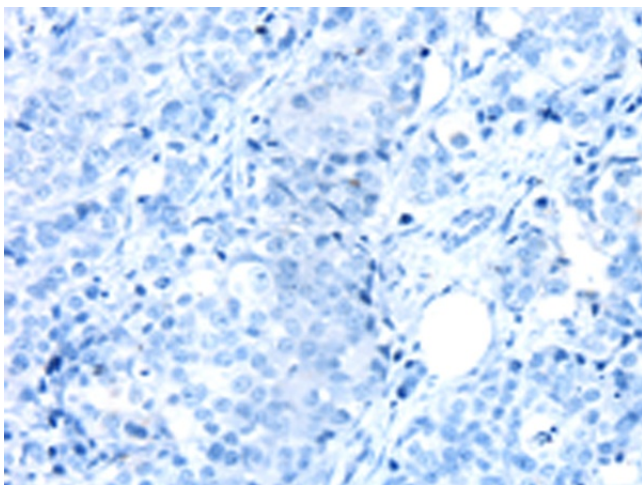
Product images:



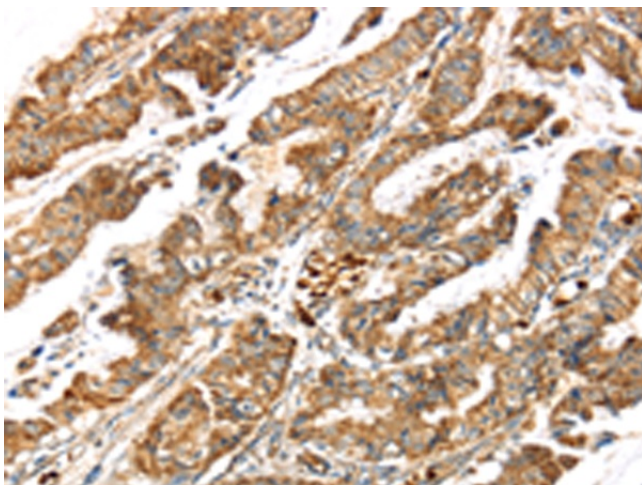
Gel: 6%SDS-PAGE
Lysate: 40 μ g
Lane 1-5: A431 cells
NIH/3T3 cells
HepG2 cells
Mouse liver tissue
Hela cells
Primary antibody: [TA351359] (LONP1 Antibody)
at dilution 1/250
Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution
Exposure time: 30 seconds



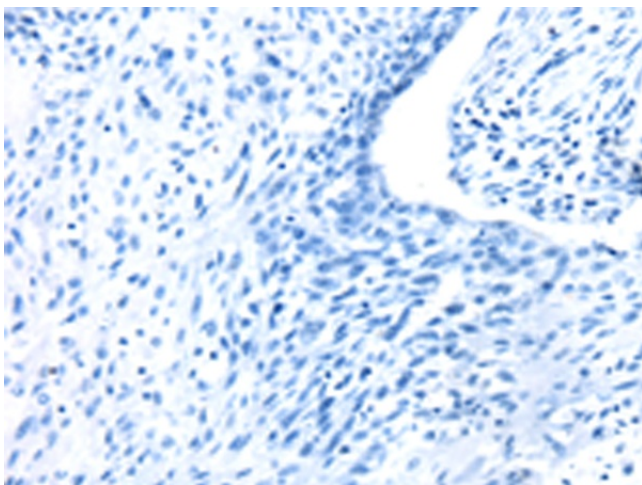
Immunohistochemistry of paraffin-embedded
Human breast cancer tissue using [TA351359]
(LONP1 Antibody) at dilution 1/25 (Original
magnification: \times 200)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using [TA351359] (LONP1 Antibody) at dilution 1/25, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA351359] (LONP1 Antibody) at dilution 1/25 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using [TA351359] (LONP1 Antibody) at dilution 1/25, treated with synthetic peptide. (Original magnification: ×200)