LONP1 Rabbit Polyclonal Antibody

CAB4293

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

106kDa

Calculated MW:

85kDa/100kDa/106kDa

Applications:

WB IHC

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:
WB 1:500 - 1:2000 IHC 1:50 - 1:200

Source:
Rabbit

Isotype:
IgG

Purification:
Affinity purification

Protein 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. Decreased expression of this gene has been noted in a patient with hereditary spastic paraplegia (PMID:18378094). Alternatively spliced transcript variants have been found for this gene.

Immunogen information

Gene ID:
9361

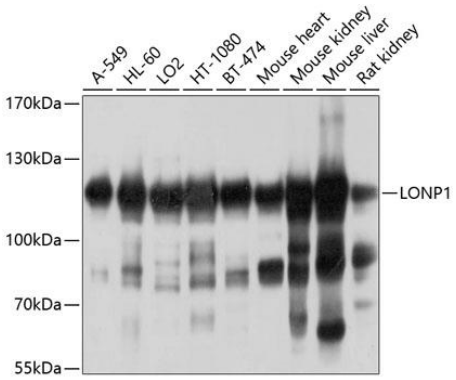
Uniprot
P36776

Synonyms:
LONP1; CODASS; LON; LONP; LonHS; PIM1; PRSS15; hLON

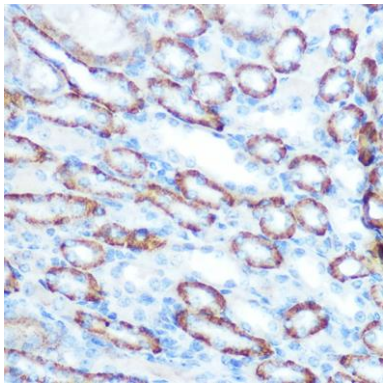
Immunogen:
Recombinant fusion protein containing a sequence corresponding to amino acids 120-400 of human LONP1 (NP_004784.2).

Storage:
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

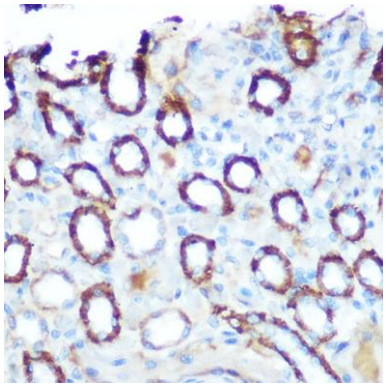
Product Images



Western blot analysis of extracts of various cell lines, using LONP1 antibody (CAB4293) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 5s.



Immunohistochemistry of paraffin-embedded mouse kidney using LONP1 Rabbit pAb (CAB4293) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat kidney using LONP1 Rabbit pAb (CAB4293) at dilution of 1:100 (40x lens).