

## LONP1

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB

**Recommended Dilution:**WB 1:500 - 1:2000

**Calculated MW:**106kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human LONP1

**Storage Buffer:**

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

**Concentration:**

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**Synonym:**

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

**Catalog #:**A4293

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**9361

**Isotype:**IgG

**Swiss Prot:**P36776

**Purity:**Affinity purification

For research use only.

**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.

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