

CAB4293

Product Information

Product SKU:	CAB4293	Gene ID:	9361	Size:	20uL, 100uL
Clone No:	-	Host Species:	Rabbit	Reactivity:	Human,Mouse,Rat

Additional Information

Observed MW:	106kDa	Conjugate:	Unconjugated
Calculated MW:	106kDa	Isotype:	IgG

Immunogen Information

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.
Recommended Dilution:	WB,1:500 - 1:2000 IHC-P,1:50 - 1:200 IF/ICC,1:50 - 1:200 IP,0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
Synonyms:	LON; LONP; PIM1; hLON; LonHS; CODASS; PRSS15; LONP1
Purification Method:	Affinity purification
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 120-400 of human LONP1 (NP_004784.2).
Storage:	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.