

anti- LONP1 antibody

Product Information

Catalog No.:	FNab04821
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	9H10
IsoType:	IgG2a
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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.

Immunogen information

Immunogen:	lon peptidase 1, mitochondrial
Synonyms:	PRSS15
Observed MW:	100 kDa
Uniprot ID :	P36776

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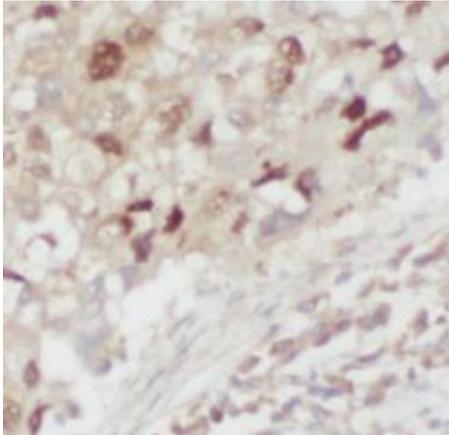
Application

Reactivity: Human, Mouse, Rat

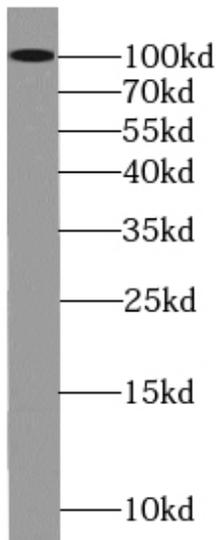
Tested Application: ELISA, WB, IHC, IF

Recommended dilution: WB: 1:500-1:10000; IHC: 1:400-1:1600; IF: 1:10-1:100

Image:



Immunohistochemistry of paraffin-embedded human lung cancer tissue slide using FNab04821(LONP1 Antibody) at dilution of 1:800 heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



Jurkat cells were subjected to SDS PAGE followed by western blot with FNab04821(LONP1 Antibody) at dilution of 1:5000

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