

LONP2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9625a**Specification**

LONP2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q86WA8
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	94617
Antigen Region	104-132

LONP2 Antibody (N-term) - Additional Information**Gene ID** 83752**Other Names**

Lon protease homolog 2, peroxisomal {ECO:0000255|HAMAP-Rule:MF_03121}, 3421-
{ECO:0000255|HAMAP-Rule:MF_03121}, Lon protease-like protein 2
{ECO:0000255|HAMAP-Rule:MF_03121}, Lon protease 2 {ECO:0000255|HAMAP-Rule:MF_03121},
Peroxisomal Lon protease {ECO:0000255|HAMAP-Rule:MF_03121}, LONP2
{ECO:0000255|HAMAP-Rule:MF_03121}, LONP

Target/Specificity

This LONP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 104-132 amino acids from the N-terminal region of human LONP2.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

LONP2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

LONP2 Antibody (N-term) - Protein Information**Name** LONP2 {ECO:0000255|HAMAP-Rule:MF_03121}

Synonyms LONP

Function ATP-dependent serine protease that mediates the selective degradation of misfolded and unassembled polypeptides in the peroxisomal matrix. Necessary for type 2 peroxisome targeting signal (PTS2)-containing protein processing and facilitates peroxisome matrix protein import (By similarity). May indirectly regulate peroxisomal fatty acid beta-oxidation through degradation of the self-processed forms of TYSND1.

Cellular Location

Peroxisome matrix {ECO:0000255|HAMAP- Rule:MF_03121, ECO:0000269|PubMed:14561759, ECO:0000269|PubMed:18281296, ECO:0000269|PubMed:22002062}

Tissue Location

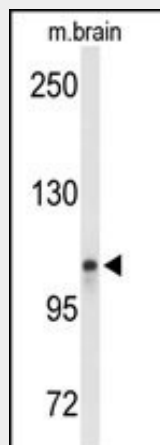
Widely expressed, with high levels in the liver, kidney and pancreas.

LONP2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LONP2 Antibody (N-term) - Images



Western blot analysis of LONP2 Antibody (N-term) (Cat. #AP9625a) in mouse brain tissue lysates (35ug/lane). LONP2 (arrow) was detected using the purified Pab.

LONP2 Antibody (N-term) - Background

LONP2 is probable serine protease which may be involved in peroxisome biogenesis (By similarity).

LONP2 Antibody (N-term) - References

Omi, S., et al. J. Biochem. 143(5):649-660(2008)

Kikuchi, M., et al. J. Biol. Chem. 279(1):421-428(2004)