

LONP2 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP53352**Specification**

LONP2 Antibody - Product Information

Application	WB
Primary Accession	Q86WA8
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	95 KDa
Antigen Region	777-826

LONP2 Antibody - Additional Information**Gene ID** 83752**Target/Specificity**

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human LONP2. The exact sequence is proprietary.

Dilution

WB~~ 1:1000

Format

Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol

Storage

Store at -20 °C.Stable for 12 months from date of receipt

LONP2 Antibody - 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}

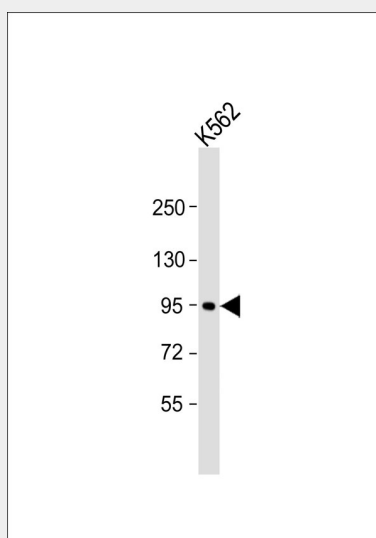
Tissue Location

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

LONP2 Antibody - 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 - Images

Anti-LONP2 Antibody at 1:1000 dilution + K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 95 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

LONP2 Antibody - Background

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.

LONP2 Antibody - References

De Walque S., et al. Submitted (FEB-2003) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Martin J., et al. Nature 432:988-994(2004).
Bechtel S., et al. BMC Genomics 8:399-399(2007).
Kikuchi M., et al. J. Biol. Chem. 279:421-428(2004).

