

LONP2 / LONP Antibody (aa780-829)
Rabbit Polyclonal Antibody
Catalog # ALS15509**Specification**

LONP2 / LONP Antibody (aa780-829) - Product Information

Application	IHC
Primary Accession	Q86WA8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	95kDa KDa

LONP2 / LONP Antibody (aa780-829) - Additional Information**Gene ID** 83752**Other Names**

Lon protease homolog 2, peroxisomal {ECO:0000255|HAMAP-Rule:MF_03121}, 3.4.21.-
{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

LONP2 Antibody detects endogenous levels of total LONP2 protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

LONP2 / LONP Antibody (aa780-829) is for research use only and not for use in diagnostic or therapeutic procedures.

LONP2 / LONP Antibody (aa780-829) - 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.

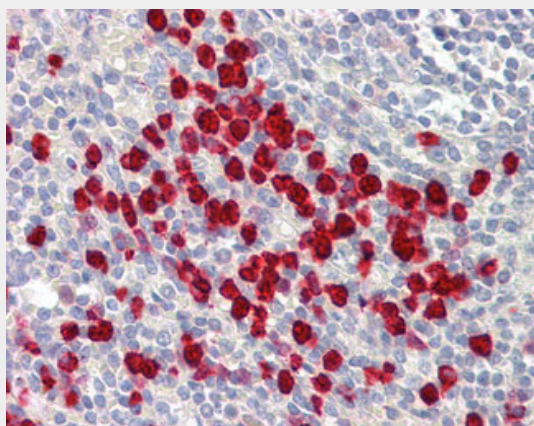
Volume

50 µl

LONP2 / LONP Antibody (aa780-829) - 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 / LONP Antibody (aa780-829) - Images

Anti-LONP2 / LONP antibody IHC of human spleen.

LONP2 / LONP Antibody (aa780-829) - 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 / LONP Antibody (aa780-829) - 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).

