

LONP2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9625a**Specification**

LONP2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q86WA8](#)**LONP2 Antibody (N-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

LONP2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

LONP2 Antibody (N-term) Blocking Peptide - Images**LONP2 Antibody (N-term) Blocking Peptide - Background**

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

LONP2 Antibody (N-term) Blocking Peptide - References

Omi, S., et al. J. Biochem. 143(5):649-660(2008) Kikuchi, M., et al. J. Biol. Chem. 279(1):421-428(2004)