

LACE1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP10615a**Specification**

LACE1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [O8WV93](#)
Other Accession [NP_660358.2](#)

LACE1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 246269

Other Names

Lactation elevated protein 1, Protein AFG1 homolog, LACE1, AFG1

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.

LACE1 Antibody (N-term) Blocking Peptide - Protein Information

Name AFG1L ([HGNC:16411](#))

Function

Putative mitochondrial ATPase. Plays a role in mitochondrial morphology and mitochondrial protein metabolism. Promotes degradation of excess nuclear-encoded complex IV subunits (COX4I1, COX5A and COX6A1) and normal activity of complexes III and IV of the respiratory chain (PubMed:26759378, PubMed:27323408). Mediates mitochondrial translocation of TP53 and its transcription-independent apoptosis in response to genotoxic stress (PubMed:27323408).

Cellular Location

Mitochondrion membrane

LACE1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

LACE1 Antibody (N-term) Blocking Peptide - Images

LACE1 Antibody (N-term) Blocking Peptide - Background

LACE1 encodes a protein with possible ATPase function. The protein contains a P-loop motif and a five-domain structure that is conserved in fly, yeast, and bacteria. Two conserved estrogen receptor binding sites are located within 2.5 kb of this gene.

LACE1 Antibody (N-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care (2010) In press :Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Mattar, R., et al. Clin. Biochem. 41 (7-8), 628-630 (2008) :Abrahams, B.S., et al. Genomics 80(1):45-53(2002)