

LACE1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10615a**Specification**

LACE1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O8WV93
Other Accession	NP_660358.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	54845
Antigen Region	68-96

LACE1 Antibody (N-term) - Additional Information**Gene ID** 246269**Other Names**

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

Target/Specificity

This LACE1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 68-96 amino acids from the N-terminal region of human LACE1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

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

LACE1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

LACE1 Antibody (N-term) - 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

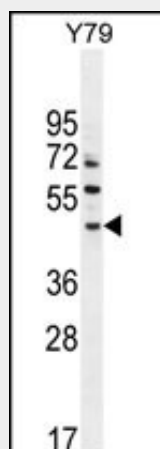
Mitochondrion membrane

LACE1 Antibody (N-term) - 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](#)

LACE1 Antibody (N-term) - Images



LACE1 Antibody (N-term) (Cat. #AP10615a) western blot analysis in Y79 cell line lysates (35ug/lane). This demonstrates the LACE1 antibody detected the LACE1 protein (arrow).

LACE1 Antibody (N-term) - 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) - 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)