

ELAC1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17571a**Specification**

ELAC1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9H777](#)**ELAC1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 55520**Other Names**

Zinc phosphodiesterase ELAC protein 1, Deleted in Ma29, ElaC homolog protein 1, Ribonuclease Z 1, RNase Z 1, tRNA 3 endonuclease 1, tRNase Z 1, ELAC1, D29

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.

ELAC1 Antibody (N-term) Blocking Peptide - Protein Information**Name** ELAC1 {ECO:0000303|PubMed:32075755, ECO:0000312|HGNC:HGNC:14197}**Function**

Zinc phosphodiesterase, which displays some tRNA 3'- processing endonuclease activity (PubMed:12711671, PubMed:32075755). Specifically involved in tRNA repair: acts downstream of the ribosome- associated quality control (RQC) pathway by removing a 2',3'-cyclic phosphate from tRNAs following cleavage by ANKZF1 (PubMed:32075755). tRNAs are then processed by TRNT1 (PubMed:32075755).

Cellular Location

Cytoplasm, cytosol. Nucleus. Note=Mainly cytosolic

Tissue Location

Widely expressed (PubMed:11401430). Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas (PubMed:11401430).

ELAC1 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ELAC1 Antibody (N-term) Blocking Peptide - Images

ELAC1 Antibody (N-term) Blocking Peptide - Background

Zinc phosphodiesterase, which displays some tRNA 3'-processing endonuclease activity. Probably involved in tRNA maturation, by removing a 3'-trailer from precursor tRNA.

ELAC1 Antibody (N-term) Blocking Peptide - References

Takahashi, M., et al. FEBS Lett. 582(17):2532-2536(2008) Takaku, H., et al. Nucleic Acids Res. 31(9):2272-2278(2003) Yanaihara, N., et al. Genomics 72(2):169-179(2001) Tavtigian, S.V., et al. Nat. Genet. 27(2):172-180(2001)