

ELAC1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17571a**Specification**

ELAC1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	Q9H777
Other Accession	Q29RY4 , NP_061166.1
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	40019
Antigen Region	73-101

ELAC1 Antibody (N-term) - 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

Target/Specificity

This ELAC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 73-101 amino acids from the N-terminal region of human ELAC1.

Dilution

WB~~1:1000

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

ELAC1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ELAC1 Antibody (N-term) - 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

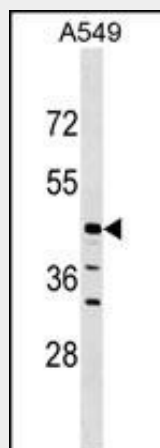
Widely expressed (PubMed:11401430). Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas (PubMed:11401430).

ELAC1 Antibody (N-term) - 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](#)

ELAC1 Antibody (N-term) - Images



ELAC1 Antibody (N-term) (Cat. #AP17571a) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the ELAC1 antibody detected the ELAC1 protein (arrow).

ELAC1 Antibody (N-term) - 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) - 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)