

RNASE1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2022a

Specification

RNASE1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	P07998
Other Accession	NP_937878.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	17644
Antigen Region	14-42

RNASE1 Antibody (N-term) - Additional Information

Gene ID 6035

Other Names

Ribonuclease pancreatic, HP-RNase, RIB-1, RNase Upl-1, Ribonuclease 1, RNase 1, Ribonuclease A, RNase A, RNASE1, RIB1, RNS1

Target/Specificity

This RNASE1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 14-42 amino acids from the N-terminal region of human RNASE1.

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

RNASE1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RNASE1 Antibody (N-term) - Protein Information

Name RNASE1

Synonyms RIB1, RNS1

Function Endonuclease that catalyzes the cleavage of RNA on the 3' side of pyrimidine nucleotides. Acts on single-stranded and double-stranded RNA.

Cellular Location

Secreted.

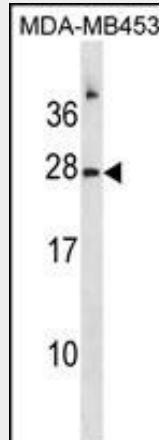
Tissue Location

Pancreas and other tissues and body fluids (indicating it may have other physiological functions besides its role in digestion)

RNASE1 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](#)

RNASE1 Antibody (N-term) - Images

RNASE1 Antibody (N-term) (Cat. #AP20222a) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the RNASE1 antibody detected the RNASE1 protein (arrow).

RNASE1 Antibody (N-term) - Background

This gene encodes a member of the pancreatic-type of secretory ribonucleases, a subset of the ribonuclease A superfamily. The encoded endonuclease cleaves internal phosphodiester RNA bonds on the 3'-side of pyrimidine bases. It prefers poly(C) as a substrate and hydrolyzes 2',3'-cyclic nucleotides, with a pH optimum near 8.0. The encoded protein is monomeric and more commonly acts to degrade ds-RNA over ss-RNA. Alternative splicing occurs at this locus and four transcript

variants encoding the same protein have been identified. [provided by RefSeq].

RNASE1 Antibody (N-term) - References

D'Alessio, G. *Biopolymers* 91(12):989-994(2009)
Kover, K.E., et al. *J. Mol. Biol.* 379(5):953-965(2008)
Ueki, M., et al. *Biochem. Genet.* 46 (3-4), 145-153 (2008) :
Johnson, R.J., et al. *Biochemistry* 46(36):10308-10316(2007)
Cybulski, C., et al. *Urol. Int.* 79(1):44-49(2007)