

Mouse Rnasel Antibody (N-term) Blocking Peptide

Synthetic peptide

Catalog # BP17440a

Specification

Mouse Rnasel Antibody (N-term) Blocking Peptide - Product Information

Primary Accession

[Q05921](#)**Mouse Rnasel Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 24014

Other Names

2-5A-dependent ribonuclease, 2-5A-dependent RNase, 3126-, Ribonuclease 4, Ribonuclease L, RNase L, Rnasel, Rns4

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.

Mouse Rnasel Antibody (N-term) Blocking Peptide - Protein Information

Name Rnasel

Synonyms Rns4

Function

Endoribonuclease that functions in the interferon (IFN) antiviral response. In INF treated and virus infected cells, RNASEL probably mediates its antiviral effects through a combination of direct cleavage of single-stranded viral RNAs, inhibition of protein synthesis through the degradation of rRNA, induction of apoptosis, and induction of other antiviral genes. RNASEL mediated apoptosis is the result of a JNK-dependent stress-response pathway leading to cytochrome c release from mitochondria and caspase-dependent apoptosis. Therefore, activation of RNASEL could lead to elimination of virus infected cells under some circumstances. In the crosstalk between autophagy and apoptosis proposed to induce autophagy as an early stress response to small double-stranded RNA and at later stages of prolonged stress to activate caspase-dependent proteolytic cleavage of BECN1 to terminate autophagy and promote apoptosis. Might play a central role in the regulation of mRNA turnover (By similarity). Cleaves 3' of UpNp dimers, with preference for UU and UA sequences, to sets of discrete products ranging from between 4 and 22 nucleotides in length (By similarity).

Cellular Location

Cytoplasm. Mitochondrion

Tissue Location

Expressed in spleen, thymus, lung, testis, kidney, liver and heart

Mouse Rnasel Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Mouse Rnasel Antibody (N-term) Blocking Peptide - Images**Mouse Rnasel Antibody (N-term) Blocking Peptide - Background**

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Mouse Rnasel Antibody (N-term) Blocking Peptide - References

Ireland, D.D., et al. PLoS Pathog. 5 (10), E1000602 (2009) :Andersen, J.B., et al. RNA Biol 6(3):305-315(2009)Salehzada, T., et al. PLoS ONE 4 (10), E7563 (2009) :Li, X.L., et al. Proc. Natl. Acad. Sci. U.S.A. 105(52):20816-20821(2008)Malathi, K., et al. Nature 448(7155):816-819(2007)