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Mouse Rnasen Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18939c

Specification

Mouse Rnasen Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q5HZJ0
Other Accession	NP_001123621.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**158828**
Antigen Region	**737-764**

Mouse Rnasen Antibody (Center) - Additional Information

Gene ID 14000

Other Names
Ribonuclease 3, Protein Drosha, Ribonuclease III, RNase III, Drosha, Etohi2, Rn3, Rnasen

Target/Specificity
This Mouse Rnasen antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 737-764 amino acids from the Central region of mouse Rnasen.

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
Mouse Rnasen Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Rnasen Antibody (Center) - Protein Information

Name Drosha

Synonyms Etohi2, Rn3, Rnasen

Function Ribonuclease III double-stranded (ds) RNA-specific endoribonuclease that is involved in the initial step of microRNA (miRNA) biogenesis. Component of the microprocessor complex that is required to process primary miRNA transcripts (pri-miRNAs) to release precursor miRNA (pre-miRNA) in the nucleus. Within the microprocessor complex, DROSHA cleaves the 3' and 5' strands of a stem-loop in pri- miRNAs (processing center 11 bp from the dsRNA-ssRNA junction) to release hairpin-shaped pre-miRNAs that are subsequently cut by the cytoplasmic DICER to generate mature miRNAs (PubMed:26255770). Involved also in pre-rRNA processing. Cleaves double-strand RNA and does not cleave single-strand RNA. Involved in the formation of GW bodies.

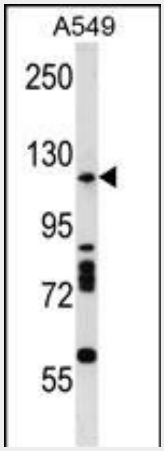
Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q9NRR4}. Nucleus, nucleolus {ECO:0000250|UniProtKB:Q9NRR4}. Note=A fraction is translocated to the nucleolus during the S phase of the cell cycle Localized in GW bodies (GWBs), also known as P-bodies {ECO:0000250|UniProtKB:Q9NRR4}

Mouse Rnasen Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Mouse Rnasen Antibody (Center) - Images



Mouse Rnasen Antibody (Center) (Cat. #AP18939c) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the Rnasen antibody detected the Rnasen protein (arrow).

Mouse Rnasen Antibody (Center) - Background

Ribonuclease III double-stranded (ds) RNA-specific endoribonuclease that is involved in the initial step of microRNA (miRNA) biogenesis. Component of the microprocessor complex that is required to process primary miRNA transcripts (pri-miRNAs) to release precursor miRNA (pre-miRNA) in the nucleus. Within the microprocessor complex, RNASEN/DROSHA cleaves the 3' and 5' strands of a stem-loop in pri-miRNAs (processing center 11 bp from the dsRNA-ssRNA junction) to release

hairpin-shaped pre-miRNAs that are subsequently cut by the cytoplasmic DICER to generate mature miRNAs. Involved also in pre-rRNA processing. Cleaves double-strand RNA and does not cleave single-strand RNA. Involved in the formation of GW bodies (By similarity).

Mouse Rnasen Antibody (Center) - References

Chong, M.M., et al. Genes Dev. 24(17):1951-1960(2010)
Yang, J.S., et al. Proc. Natl. Acad. Sci. U.S.A. 107(34):15163-15168(2010)
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Wu, H., et al. PLoS ONE 4 (10), E7566 (2009) :
Shenoy, A., et al. PLoS ONE 4 (9), E6971 (2009) :