

## **RNASEH2B Antibody (Center)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP4774c

## **Specification**

# **RNASEH2B Antibody (Center) - Product Information**

**Application** IHC-P, WB,E **Primary Accession** Q5TBB1 Reactivity Human **Rabbit** Host Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 35139 Antigen Region 130-157

## RNASEH2B Antibody (Center) - Additional Information

### **Gene ID** 79621

## **Other Names**

Ribonuclease H2 subunit B, RNase H2 subunit B, Aicardi-Goutieres syndrome 2 protein, AGS2, Deleted in lymphocytic leukemia 8, Ribonuclease HI subunit B, RNASEH2B, DLEU8

### Target/Specificity

This RNASEH2B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 130-157 amino acids from the Central region of human RNASEH2B.

# **Dilution**

IHC-P~~1:50~100 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**

RNASEH2B Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

# **RNASEH2B Antibody (Center) - Protein Information**

### Name RNASEH2B





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## **Synonyms DLEU8**

Function Non catalytic subunit of RNase H2, an endonuclease that specifically degrades the RNA of RNA:DNA hybrids. Participates in DNA replication, possibly by mediating the removal of lagging-strand Okazaki fragment RNA primers during DNA replication. Mediates the excision of single ribonucleotides from DNA:RNA duplexes.

**Cellular Location** Nucleus.

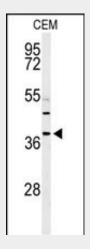
**Tissue Location** Widely expressed..

## **RNASEH2B Antibody (Center) - Protocols**

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

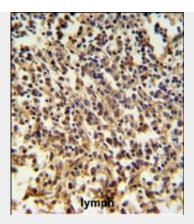
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# RNASEH2B Antibody (Center) - Images



Western blot analysis of RNASEH2B Antibody (Center) (Cat. #AP4774c) in CEM cell line lysates (35ug/lane). RNASEH2B (arrow) was detected using the purified Pab.





RNASEH2B Antibody (Center) (Cat. #AP4774c) IHC analysis in formalin fixed and paraffin embedded human lymph tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the RNASEH2B Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

# RNASEH2B Antibody (Center) - Background

RNASEH2B is composed of a single catalytic subunit (A) and two non-catalytic subunits (B and C) and specifically degrades the RNA of RNA:DNA hybrids. RNASEH2B is the non-catalytic B subunit of RNase H2, which is thought to play a role in DNA replication.

# **RNASEH2B Antibody (Center) - References**

Crozat, K., et al. Immunol. Rev. 227(1):129-149(2009) Chon, H., et al. Nucleic Acids Res. 37(1):96-110(2009) Crow, Y.J., et al. Dev Med Child Neurol 50(6):410-416(2008)