

RNASEH1 polyclonal antibody

Catalog: BS79190

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

This gene encodes an endonuclease that specifically degrades the RNA of RNA-DNA hybrids and is necessary for DNA replication and repair. This enzyme is present in both mitochondria and nuclei, which are resulted from translation of a single mRNA with two in-frame initiation start codons. The use of the first start codon produces the mitochondrial isoform and the use of the second start codon produces the nuclear isoform. The production of the mitochondrial isoform is modulated by an upstream open reading frame (uORF) which overlaps the first initiation start codon in human. An alternately spliced transcript variant has been found which encodes a shorter isoform. This gene has three pseudogenes; two of them are at different locations of chromosome 17 and one of them is on chromosome 1q32.2.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

37kDa

Swiss-Prot:

O60930

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

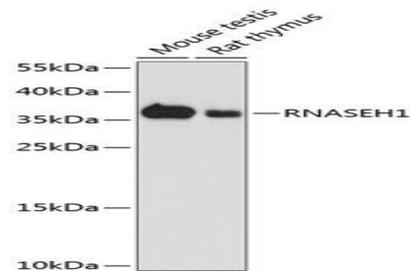
WB,1:500 - 1:2000|IHC,1:100 - 1:200

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Modification:

Unmodification

DATA:

Western blot analysis of extracts of various cell lines, using RNASEH1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.

Note:

For research use only, not for use in diagnostic procedure.

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