

[Go to Product page](#)

Datasheet for ABIN6991043 **anti-RNASEH2A antibody (AA 190-240)**

Overview

Quantity:	0.1 mg
Target:	RNASEH2A
Binding Specificity:	AA 190-240
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RNASEH2A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	RNase H2A antibody was raised against a 17 amino acid synthetic peptide near the center of human RNase H2A. The immunogen is located within amino acids 190 - 240 of RNase H2A.
Isotype:	IgG
Purification:	RNase H2A Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	RNASEH2A
Alternative Name:	RNase H2A (RNASEH2A Products)
Background:	RNase H2A Antibody: Ribonucleases (RNases) H are enzymes that hydrolyze the RNA strands of RNA/DNA hybrids. The major role of these enzymes is to remove the RNA strand from the RNA/DNA hybrids that form during DNA replication and repair. RNase H2 is made up of three

Target Details

subunits, all three are required for RNase activity. Recent evidence has demonstrated that mutations in RNase H2A or any of the other subunits result in Aicardi-Goutieres syndrome (AGS), a neurological disorder with similar symptoms to viral brain infections including high levels of IFN- α in the cerebral spinal fluid. Similar conditions are observed with mutations in TREX1, a single-stranded DNA exonuclease, suggesting that RNase H2 and TREX1 may have similar roles, and that mutations in any of these genes lead to an accumulation of intracellular nucleic acids, triggering an inflammatory response through activation of the innate immune system.

Molecular Weight: Predicted: 33 kDa

Observed: 33 kDa

Gene ID: 10535

UniProt: [075792](#)

Application Details

Application Notes: RNase H2A antibody can be used for detection of RNase H2A by Western blot at 1 μ g/mL. Antibody can also be used for immunocytochemistry starting at 2 μ g/mL. For immunofluorescence start at 4 μ g/mL.

Antibody validated: Western Blot in human samples, Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: RNase H2A Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Handling

Storage Comment: RNAse H2A antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.