

Rabbit RNase H2A Polyclonal Antibody | anti-RNASEH2A antibody

RNase H2A Antibody

CATALOG # AAA40174	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

RNase H2A; Polyclonal Antibody; RNase H2A Antibody; AGS4; JUNB; RNHL; RNHIA; RNASEHI; Ribonuclease H2 subunit A; Aicardi-Goutieres syndrome 4 protein; RNase H2 subunit A; ribonuclease H2; subunit A; anti-RNASEH2A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	RNase H2A Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	299
Applicable Applications for anti-RNASEH2A antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	RNase H2A antibody was raised against a 17 amino acid synthetic peptide near the center of human RNase H2A.
Buffer	RNase H2A Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	RNase H2A antibody can be stored at 4 degree C for three months and -20 degree 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.

IMAGES



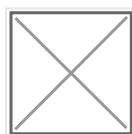
IF (Immunofluorescence)

Immunofluorescence of RNase H2A in HeLa cells with RNase H2A antibody at 5 µg/mL.



ICC (Immunocytochemistry)

Immunocytochemistry of RNase H2A in HeLa cells with RNase H2A antibody at 2 µg/mL.



WB (Western Blot)

Western blot analysis of RNase H2A in HeLa cell lysate with RNase H2A antibody at 1 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-RNASEH2A antibody	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 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-alpha 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20981704
NCBI GeneID	10535
UniProt Accession #	O75792; Q96F11; B2RCY1
Molecular Weight	33,395 Da
NCBI Official Full Name	Ribonuclease H2 subunit A
NCBI Official Synonym Full Names	ribonuclease H2, subunit A
NCBI Official Symbol	RNASEH2A
NCBI Official Synonym Symbols	AGS4; JUNB; RNHL; RNHIA; RNASEHI
NCBI Protein Information	ribonuclease H2 subunit A; RNase H(35); RNase H2 subunit A; RNase HI large subunit; ribonuclease HI subunit A; ribonuclease HI large subunit; ribonuclease H2, large subunit; ribonuclease HI, large subunit; aicardi-Goutieres syndrome 4 protein
UniProt Protein Name	Ribonuclease H2 subunit A
UniProt Gene Name	RNASEH2A
UniProt Synonym Gene Names	RNASEHI; RNHIA; RNase H2 subunit A; AGS4; RNase HI large subunit
UniProt Entry Name	RNH2A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rnase-h2a-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/40174>