

Anti-RNase H2A Antibody

Catalog Number: A07386

About RNASEH2A

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- 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.

Overview

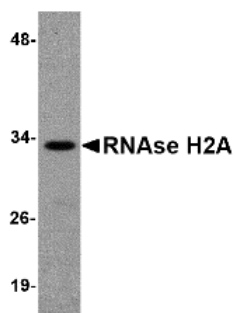
Product Name	Anti-RNase H2A Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-RNase H2A Antibody (Catalog # A07386). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	RNase H2A Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	RNase H2A antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O75792

Technical Details

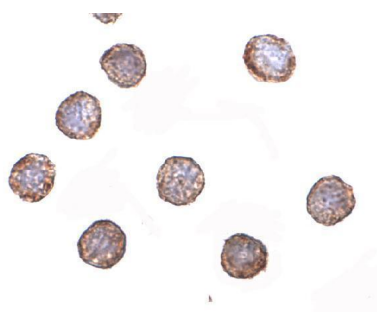
Immunogen	RNase H2A antibody was raised against a 17 amino acid synthetic peptide near the center of human RNase H2A. The immunogen is located within amino acids 190 - 240 of RNase H2A.
Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	RNAse H2A Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	RNAse H2A antibody can be used for detection of RNAse H2A by Western blot at 1 ug/mL. Antibody can also be used for immunocytochemistry starting at 2 ug/mL. For immunofluorescence start at 4 ug/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. Optimal dilutions for each application should be determined by the researcher.

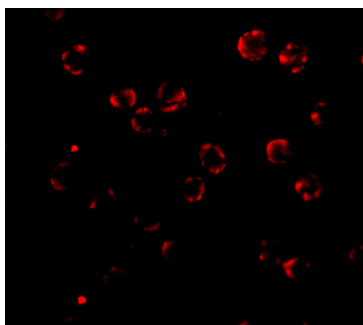
Anti-RNase H2A Antibody (A07386) Images



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



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



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

Submit a product review to [Biocompare.com](https://www.biocompare.com)

Submit a review of this product to [Biocompare.com](https://www.biocompare.com) to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-RNase H2A Antibody

For Research Use Only. Not for use in diagnostic procedures.