


Anti-Ribonuclease H2, subunit A/RNASEH2A antibody ab228788

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Overview

Product name	Anti-Ribonuclease H2, subunit A/RNASEH2A antibody
Description	Rabbit polyclonal to Ribonuclease H2, subunit A/RNASEH2A
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Cow, Pig 
Immunogen	Recombinant fragment within Human Ribonuclease H2, subunit A/RNASEH2A (internal sequence). The exact sequence is proprietary. Database link: O75792
Positive control	WB: HeLa whole cell and nuclear extracts. ICC/IF: HeLa cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab228788 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 33 kDa.
ICC/IF		1/100 - 1/1000.

Target

Function

Catalytic subunit of RNase HII, 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.

Involvement in disease

Aicardi-Goutieres syndrome 4

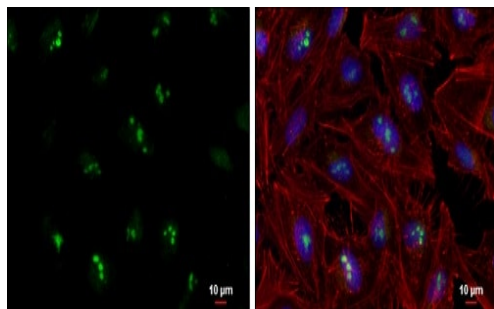
Sequence similarities

Belongs to the RNase HII family. Eukaryotic subfamily.

Cellular localization

Nucleus.

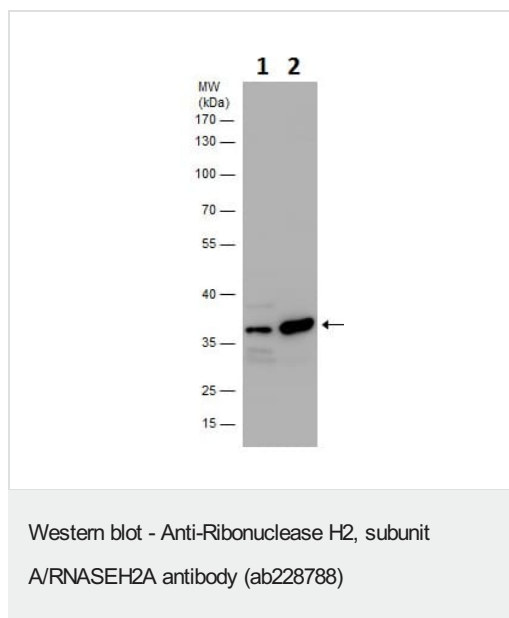
Images



4% paraformaldehyde fixed HeLa (human epithelial cell line from cervix adenocarcinoma) cells stained for Ribonuclease H2, subunit A/RNASEH2A (green) using ab228788 at 1/200 dilution in ICC/IF.

Nuclear counterstain: Hoechst 33342 (blue). Phalloidin, a cytoskeleton marker, was labeled 1/200 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-Ribonuclease H2, subunit A/RNASEH2A antibody (ab228788)



All lanes : Anti-Ribonuclease H2, subunit A/RNASEH2A antibody (ab228788) at 1/1000 dilution

Lane 1 : HeLa (human epithelial cell line from cervix adenocarcinoma) whole cell extract

Lane 2 : HeLa (human epithelial cell line from cervix adenocarcinoma) nuclear extract

Lysates/proteins at 30 µg per lane.

Predicted band size: 33 kDa

12% SDS-PAGE gel.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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