





Product datasheet

Anti-hnRNP A1 antibody ab137780

[2 References](#) [5 Images](#)

Overview

Product name	Anti-hnRNP A1 antibody
Description	Rabbit polyclonal to hnRNP A1
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Cow, Monkey 
Immunogen	Recombinant fragment, corresponding to amino acids 1-214 of Human hnRNP A1 (UniProt ID: P09651).  Run BLAST with  Run BLAST with 
Positive control	Mouse brain and 293T, A431, H1299, HeLaS3, Hela, HepG2, Molt4 and Raji cell lysates; HeLa cells; Ca922 xenograft
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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab137780 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: 39 kDa.
ICC/IF		1/100 - 1/1000.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

Involved in the packaging of pre-mRNA into hnRNP particles, transport of poly(A) mRNA from the nucleus to the cytoplasm and may modulate splice site selection. May play a role in HCV RNA replication.

Sequence similarities

Contains 2 RRM (RNA recognition motif) domains.

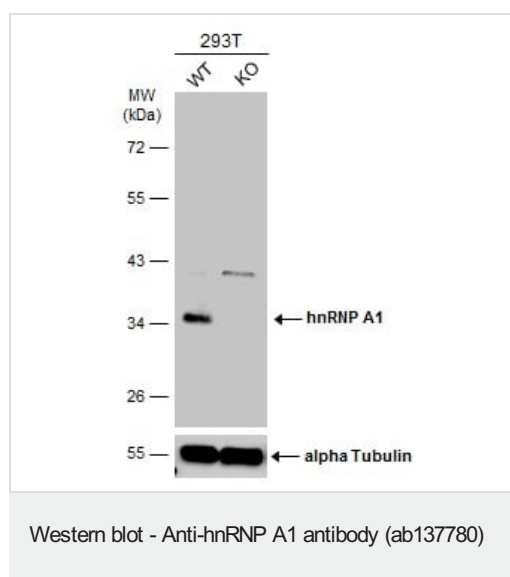
Post-translational modifications

Arg-194, Arg-206 and Arg-225 are dimethylated, probably to asymmetric dimethylarginine. Sumoylated.

Cellular localization

Nucleus. Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Shuttles continuously between the nucleus and the cytoplasm along with mRNA. Component of ribonucleosomes. In the course of viral infection, colocalizes with HCV NS5B at speckles in the cytoplasm in a HCV-replication dependent manner.

Images



All lanes : Anti-hnRNP A1 antibody (ab137780) at 1/3000 dilution

Lane 1 : WT 293T cell extracts

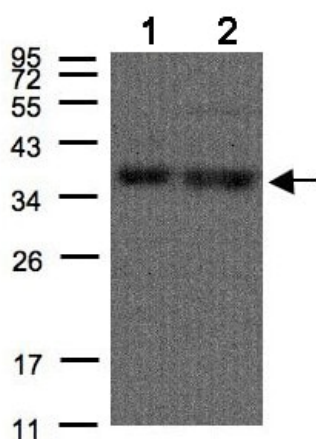
Lane 2 : hnRNP A1 Knockout 293T cell extracts

Lysates/proteins at 30 µg per lane.

Secondary

All lanes : HRP-conjugated anti-rabbit IgG

Predicted band size: 39 kDa



Western blot - Anti-hnRNP A1 antibody (ab137780)

All lanes : Anti-hnRNP A1 antibody (ab137780) at 1/500 dilution

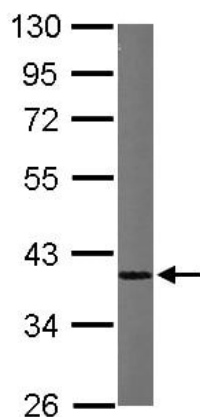
Lane 1 : H1299 whole cell lysate

Lane 2 : HeLaS3 whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 39 kDa

12% SDS PAGE

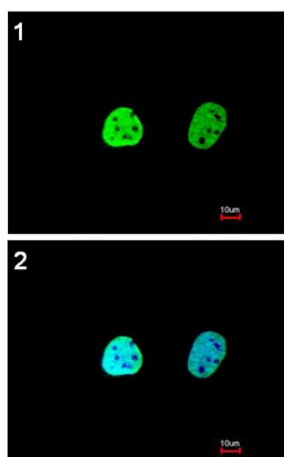


Western blot - Anti-hnRNP A1 antibody (ab137780)

Anti-hnRNP A1 antibody (ab137780) at 1/1000 dilution + Mouse brain cell lysate at 50 µg

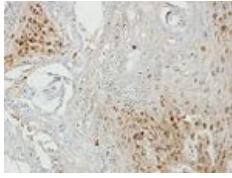
Predicted band size: 39 kDa

10% SDS PAGE



Immunocytochemistry/ Immunofluorescence - Anti-hnRNP A1 antibody (ab137780)

Immunofluorescence analysis of paraformaldehyde fixed HeLa cells labeling hnRNP A1 with ab137780 at a 1/200 dilution. The lower image (labeled '2') was merged with DNA probe.



Immunohistochemical analysis of paraffin embedded Ca922 xenograft, labelling hnRNP A1 using ab137780 at a 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-hnRNP A1 antibody (ab137780)

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