

Datasheet for ABIN2778789
anti-HNRNPA1 antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	HNRNPA1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HNRNPA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human HNRPA1
Sequence:	MSKSESPKEP EQLRKLFIGG LSFETTDESL RSHFEQWGTL TDCVVMRDPN
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against HNRPA1. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	HNRNPA1
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Target Details

Alternative Name: HNRPA1 ([HNRNPA1 Products](#))

Background: HNRPA1 belongs to the A/B subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). HNRPA1 has two repeats of quasi-RRM domains that bind to RNAs. It is one of the most abundant core proteins of hnRNP complexes and it is localized to the nucleoplasm. HNRPA1 is 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. It is also thought have a primary role in the formation of specific myometrial protein species in parturition. This gene belongs to the A/B subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene has two repeats of quasi-RRM domains that bind to RNAs. It is one of the most abundant core proteins of hnRNP complexes and it is localized to the nucleoplasm. This protein, along with other hnRNP proteins, is exported from the nucleus, probably bound to mRNA, and is immediately re-imported. Its M9 domain acts as both a nuclear localization and nuclear export signal. The encoded protein is 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. It is also thought have a primary role in the formation of specific myometrial protein species in parturition. Multiple alternatively spliced transcript variants have been found for this gene but only two transcripts are fully described. These variants have multiple alternative transcription initiation sites and multiple polyA sites.

Alias Symbols: HNRPA1, HNRPA1L3, hnRNP A1, hnRNP-A1

Protein Interaction Partner: UBC, TP53, PSMD9, TUBGCP3, NEDD1, AURKB, AURKA, STAU1, IVNS1ABP, TNF, PSMB4, MDM2, CHUK, RPA3, RPA2, RPA1, ASB2, ERG, EED, RNF2, rev, IQGAP1, HIST1H2AB, AIMP2, RPL38, RPL27A, QARS, DHX9, CCR2, ZC3HC1, HNRNPU, PARK2, FBXO6, TARDBP, YWHAQ, SRPK1, XRN1, CSF

Protein Size: 320

Molecular Weight: 35 kDa

Gene ID: 3178

NCBI Accession: [NM_002136](#), [NP_002127](#)

Target Details

UniProt: [Q6IPF2](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 320 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

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

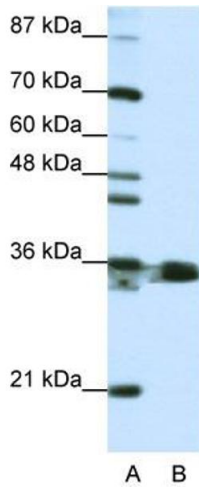
Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

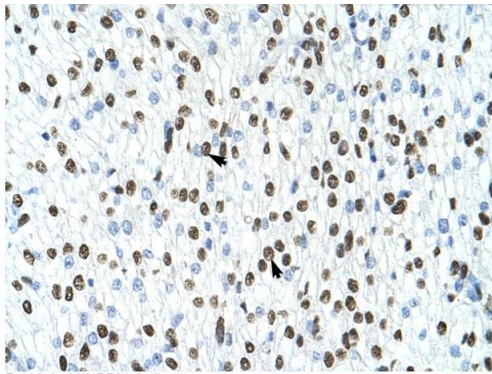
Publications

Product cited in: Lazrek, Goffard, Schanen, Karquel, Bocket, Lion, Devaux, Hedouin, Gosset, Hober: "Detection of hepatitis C virus antibodies and RNA among medicolegal autopsy cases in Northern France." in: **Diagnostic microbiology and infectious disease**, Vol. 55, Issue 1, pp. 55-8, (2006) ([PubMed](#)).



Western Blotting

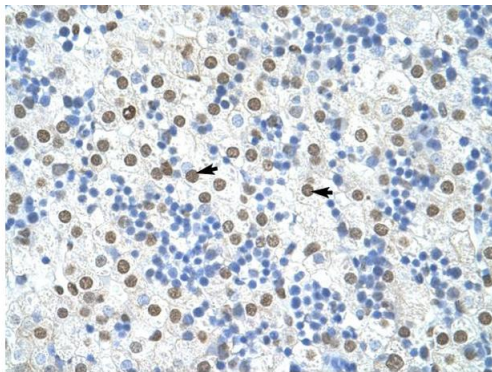
Image 1. WB Suggested Anti-HNRPA1 Antibody Titration: 1.25ug/ml ELISA Titer: 1:312500 Positive Control: Jurkat cell lysate HNRNPA1 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells



Rabbit Anti-HNRPA1 Antibody
 Catalog Number: ARP40383
 Lot Number: QC9473
 Paraffin Embedded Tissue: Human Heart
 Cells with Positive label: Myocardial cells (Indicated with Arrows)
 Antibody Concentration: 4.0-8.0 µg/ml
 Magnification: 400X

Immunohistochemistry

Image 2. Rabbit Anti-HNRPA1 Antibody Paraffin Embedded Tissue: Human Heart Cellular Data: Myocardial cells Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



Rabbit Anti-HNRPA1 Antibody
 Catalog Number: ARP40383
 Lot Number: QC9473
 Paraffin Embedded Tissue: Human Liver
 Cells with Positive label: Hepatocytes (Indicated with Arrows)
 Antibody Concentration: 4.0-8.0 µg/ml
 Magnification: 400X

Immunohistochemistry

Image 3. Rabbit Anti-HNRPA1 Antibody Paraffin Embedded Tissue: Human Liver Cellular Data: Hepatocytes Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2778789.