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Datasheet for ABIN2778790

## anti-HNRNPA1 antibody (C-Term)

### 3 Images

#### Overview

Quantity:	100 µL
Target:	HNRNPA1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Pig, 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 C terminal region of human HNRPA1
Sequence:	NQSSNFGPMK GGNFGRSSG PYGGGGQYFA KPRNQGGYGG SSSSSSYGSG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 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

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

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**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

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Molecular Weight: 35 kDa

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Gene ID: 3178

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NCBI Accession: [NM\\_002136](#), [NP\\_002127](#)

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## 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

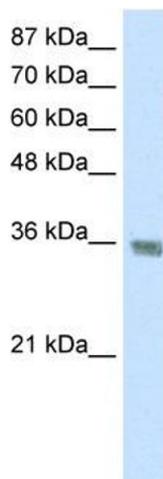
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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.

## Images



### Western Blotting

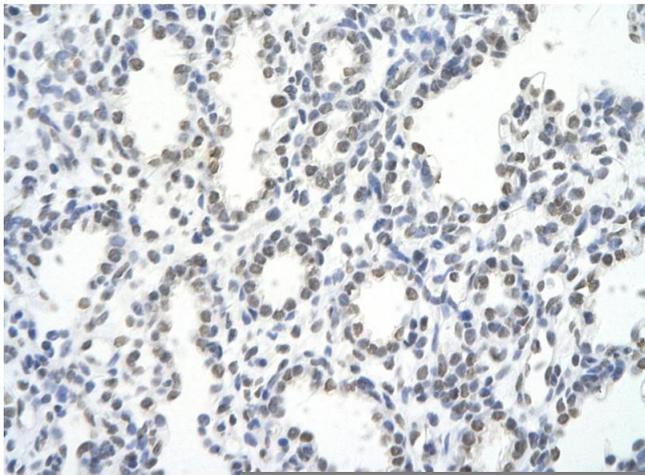
**Image 1.** WB Suggested Anti-HNRPA1 Antibody Titration: 1.25ug/ml ELISA Titer: 1:1562500 Positive Control: Jurkat cell lysate HNRNPA1 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells



Rabbit Anti-HNRPA1 Antibody  
Catalog Number: ARP40384  
Lot Number: QC9474  
Paraffin Embedded Tissue: Human Intestine  
Cells with Positive label: Epithelial cells of intestinal villus (Indicated with Arrows)  
Antibody Concentration: 4.0-8.0 µg/ml  
Magnification: 400X

### Immunohistochemistry

**Image 2.** ARP40384 Paraffin Embedded Tissue: Human Intestine Cellular Data: Epithelial cells of intestinal villas  
Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



### Immunohistochemistry

**Image 3.** Rabbit Anti-HNRPA1 antibody Paraffin Embedded Tissue: Human Lung cell Cellular Data: alveolar cell of renal tubule  
Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X