

Datasheet for ABIN2778693
anti-HNRNP/AUF1 antibody (C-Term)[Go to Product page](#)

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Overview

Quantity:	100 µL
Target:	HNRNP/AUF1 (HNRNP)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Guinea Pig, Zebrafish (Danio rerio), Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HNRNP/AUF1 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 HNRNP
Sequence:	YGYNSQGYGG YGGYDYGYN NYYGYGDYSN QQSGYGKVSRRGGHQNSYKP
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 79%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against HNRNP. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	HNRNP/AUF1 (HNRNP)
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Target Details

Alternative Name: HNRPD ([HNRNP Products](#))

Background: HNRPD belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are nucleic acid 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 localizes to both the nucleus and the cytoplasm. This protein is implicated in the regulation of mRNA stability. Alternative splicing of this gene results in four transcript variants. This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are nucleic acid 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 localizes to both the nucleus and the cytoplasm. This protein is implicated in the regulation of mRNA stability. Alternative splicing of this gene results in four transcript variants.

Alias Symbols: P37, AUF1, AUF1A, HNRPD, hnRNP0

Protein Interaction Partner: NCL, FUS, KAT2B, SUMO2, SUMO3, IVNS1ABP, STAU1, UBC, NEDD8, MDM2, ERG, RPA3, RPA2, RPA1, ASB2, EED, rev, ERI1, RPS12, PTBP1, PAFAH1B3, WNK1, IPO11, EIF3K, KHSRP, DENR, PARK2, DGCR2, GTF3C3, PDLIM7, UQCRC1, HIRA, SNAPC4, SLC3A2, SDF2, COG7, TMEM261, ABCC10

Protein Size: 355

Molecular Weight: 39 kDa

Gene ID: 3184

NCBI Accession: [NM_031370](#), [NP_112738](#)

UniProt: [Q14103](#)

Application Details

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

Application Details

Comment: Antigen size: 355 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.

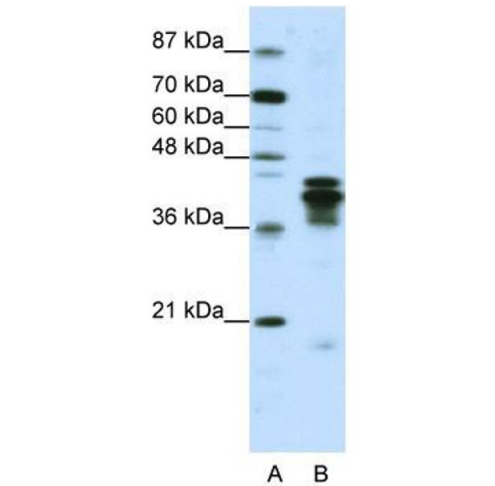
Storage: -20 °C

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

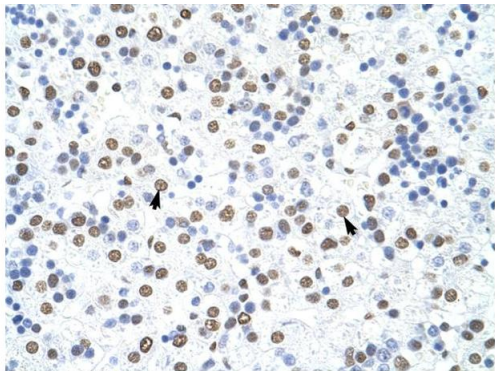
Product cited in: Wang, Mueller, Hertel, Cambi: "G Run-mediated recognition of proteolipid protein and DM20 5' splice sites by U1 small nuclear RNA is regulated by context and proximity to the splice site." in: **The Journal of biological chemistry**, Vol. 286, Issue 6, pp. 4059-71, (2011) ([PubMed](#)).

Wang, Cambi: "Heterogeneous nuclear ribonucleoproteins H and F regulate the proteolipid protein/DM20 ratio by recruiting U1 small nuclear ribonucleoprotein through a complex array of G runs." in: **The Journal of biological chemistry**, Vol. 284, Issue 17, pp. 11194-204, (2009) ([PubMed](#)).



Western Blotting

Image 1. WB Suggested Anti-HNRPD Antibody Titration: 1.25ug/ml ELISA Titer: 1:62500 Positive Control: Jurkat cell lysate HNRNP is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells



Rabbit Anti-HNRPD Antibody
Catalog Number: ARP40238
Lot Number: QC9388
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 2. Rabbit Anti-HNRPD Antibody Paraffin Embedded Tissue: Human Liver Cellular Data: Hepatocytes Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



Rabbit Anti-HNRPD Antibody
Catalog Number: ARP40238
Lot Number: QC9388
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 3. Rabbit Anti-HNRPD Antibody Paraffin Embedded Tissue: Human Heart Cellular Data: Myocardial cells Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2778693.