Datasheet for ABIN2778694

anti-HNRNPD/AUF1 antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	HNRNPD/AUF1 (HNRNPD)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Guinea Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HNRNPD/AUF1 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 HNRPD
Sequence:	AESEGAKIDA SKNEEDEGHS NSSPRHSEAA TAQREEWKMF IGGLSWDTTK
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 77%, Horse: 93%, Human: 100%, Mouse: 100%, Rat: 100%, Zebrafish: 93%
Characteristics:	This is a rabbit polyclonal antibody against HNRPD. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	HNRNPD/AUF1 (HNRNPD)

Target Details

Alternative Name:	HNRPD (HNRNPD 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 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. 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, hnRNPD0 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.
Comment:	Antigen size: 355 AA

Application Details

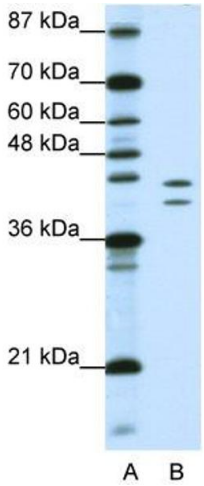
Restrictions:	For Research Use only

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.

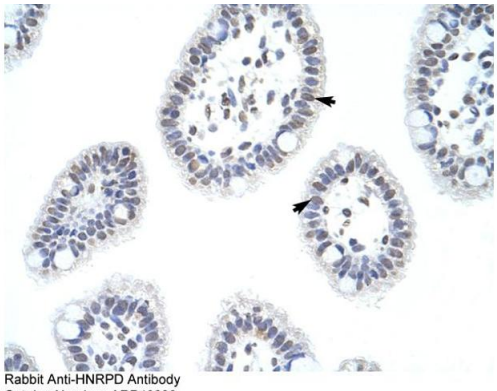
Publications

Product cited in:	Huang, Chen, Wu, Huang, He, Tang, Wang, Wang: "The zebrafish miR-462/miR-731 cluster is induced under hypoxic stress via hypoxia-inducible factor 1α and functions in cellular adaptations." in: **FASEB journal : official publication of the Federation of American Societies for Experimental Biology**, Vol. 29, Issue 12, pp. 4901-13, (2015) (PubMed).



Western Blotting

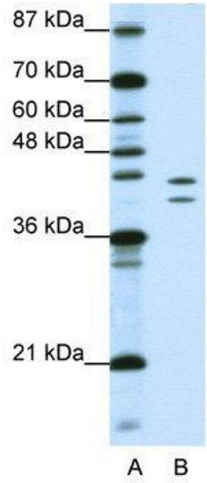
Image 1. WB Suggested Anti-HNRPD Antibody Titration: 1.25ug/ml ELISA Titer: 1:62500 Positive Control: Jurkat cell lysate HNRNPD is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells



Rabbit Anti-HNRPD Antibody
Catalog Number: ARP40239
Lot Number: QC9389
Paraffin Embeded 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. Rabbit Anti-HNRPD Antibody Paraffin Embedded Tissue: Human Intestine Cellular Data: Epithelial cells of intestinal villas Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



Western Blotting

Image 3. WB Suggested Anti-HNRPD

Antibody Titration: 1.25 µg/mL ELISA Titer: 1:62500

Positive Control: Jurkat cell lysate

HNRNPD is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells

Please check the product details page for more images. Overall 5 images are available for ABIN2778694.