Datasheet for ABIN1536971

anti-HNRNPA1 antibody (C-Term)

3 Images

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Overview

Quantity:	400 µL
Target:	HNRNPA1
Binding Specificity:	AA 266-294, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HNRNPA1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This HNRNPA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 266-294 amino acids from the C-terminal region of human HNRNPA1.
Clone:	RB36727
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	HNRNPA1
Alternative Name:	HNRNPA1 (HNRNPA1 Products)
Background:	This gene belongs to the A/B subfamily of ubiquitously expressed heterogeneous nuclear

Target Details

	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. [provided by RefSeq].
Molecular Weight:	38747
Gene ID:	3178
NCBI Accession:	NP_002127, NP_112420
UniProt:	P09651

Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only

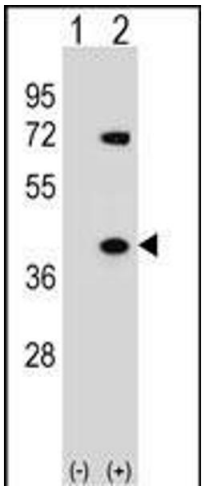
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

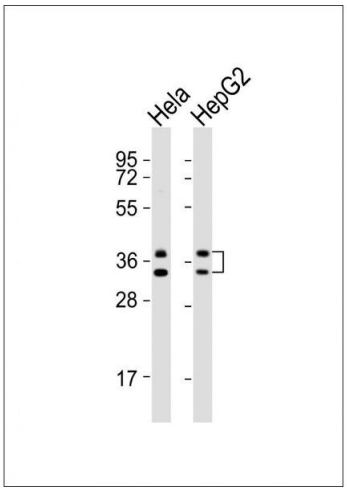
Storage Comment:	HNRNPA1 Antibody (C-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months

Images



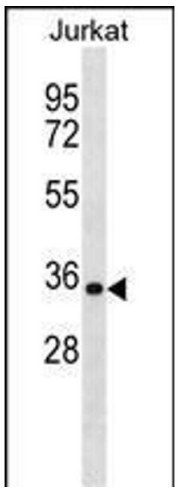
Western Blotting

Image 1. Western blot analysis of HNRN (arrow) using rabbit polyclonal HNRN Antibody (C-term) (ABIN1536971 and ABIN2848645). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the HNRN gene.



Western Blotting

Image 2. All lanes : Anti-HNRN Antibody (C-term) at 1:1000 dilution Lane 1: Hela whole cell lysates Lane 2: HepG2 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 39 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Western Blotting

Image 3. HNRN Antibody (C-term) (ABIN1536971 and ABIN2848645) western blot analysis in Jurkat cell line lysates (35 µg/lane).This demonstrates the HNRN antibody detected the HNRN protein (arrow).