

# hnRNP A1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51259

## Product Information

Application	WB
Primary Accession	<a href="#">P09651</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38747

## Additional Information

Gene ID	3178
Other Names	Heterogeneous nuclear ribonucleoprotein A1, hnRNP A1, Helix-destabilizing protein, Single-strand RNA-binding protein, hnRNP core protein A1, Heterogeneous nuclear ribonucleoprotein A1, N-terminally processed, HNRNPA1, HNRPA1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human hnRNP A1. The exact sequence is proprietary.
Dilution	WB~~ 1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

Name	HNRNPA1
Synonyms	HNRPA1
Function	Involved in the packaging of pre-mRNA into hnRNP particles, transport of poly(A) mRNA from the nucleus to the cytoplasm and modulation of splice site selection (PubMed: <a href="#">17371836</a> ). Plays a role in the splicing of pyruvate kinase PKM by binding repressively to sequences flanking PKM exon 9, inhibiting exon 9 inclusion and resulting in exon 10 inclusion and production of the PKM M2 isoform (PubMed: <a href="#">20010808</a> ). Binds to the IRES and thereby inhibits the translation of the apoptosis protease activating factor APAF1 (PubMed: <a href="#">31498791</a> ). May bind to specific miRNA hairpins (PubMed: <a href="#">28431233</a> ).
Cellular Location	Nucleus. Cytoplasm Note=Localized in cytoplasmic mRNP granules containing

untranslated mRNAs. Shuttles continuously between the nucleus and the cytoplasm along with mRNA. Component of ribonucleosomes (PubMed:17289661) Nucleus. Note=(Microbial infection) SARS coronavirus-2/SARS-CoV-2 ORF6 protein increases accumulation to the nucleus.

## Background

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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. May play a role in HCV RNA replication.

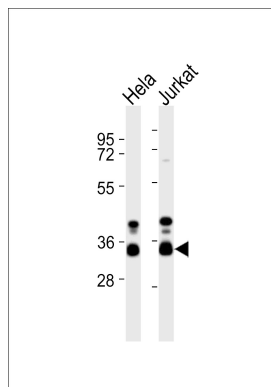
## References

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Buvoli M.,et al.Nucleic Acids Res. 16:3751-3770(1988).  
Knudsen S.M.,et al.Submitted (JUN-1994) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Scherer S.E.,et al.Nature 440:346-351(2006).

## Images

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All lanes : Anti-hnRNP A1 Antibody at 1:1000 dilution Lane 1: HeLa whole cell lysates Lane 2: Jurkat 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.