

# hnRNP A1 Polyclonal Antibody

Catalog # AP70375

## Product Information

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<b>Application</b>	WB, IHC-P, IF, ICC, E
<b>Primary Accession</b>	<a href="#">P09651</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	38747

## Additional Information

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<b>Gene ID</b>	3178
<b>Other Names</b>	HNRNPA1; HNRPA1; Heterogeneous nuclear ribonucleoprotein A1; hnRNP A1; Helix-destabilizing protein; Single-strand RNA-binding protein; hnRNP core protein A1
<b>Dilution</b>	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

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<b>Name</b>	HNRNPA1
<b>Synonyms</b>	HNRPA1
<b>Function</b>	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> ).
<b>Cellular Location</b>	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.

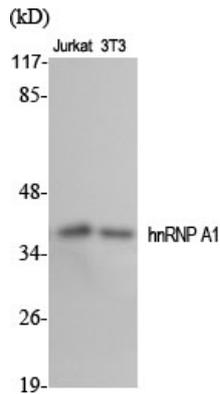
## Background

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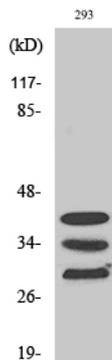
Involved in the packaging of pre-mRNA into hnRNP particles, transport of poly(A) mRNA from the nucleus to the cytoplasm and may modulate splice site selection (PubMed:[17371836](#)). May bind to specific miRNA hairpins (PubMed:[28431233](#)).

## Images

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Western Blot analysis of various cells using hnRNP A1 Polyclonal Antibody diluted at 1 : 2000



Western Blot analysis of COLO205 cells using hnRNP A1 Polyclonal Antibody diluted at 1 : 2000

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