



# hnRNP A1 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-01798
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	HNRNPA1
<b>Protein Name</b>	Heterogeneous nuclear ribonucleoprotein A1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human hnRNP A1. AA range:51-100
<b>Specificity</b>	hnRNP A1 Monoclonal Antibody detects endogenous levels of hnRNP A1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	HNRNPA1; HNRPA1; Heterogeneous nuclear ribonucleoprotein A1; hnRNP A1; Helix-destabilizing protein; Single-strand RNA-binding protein; hnRNP core protein A1
<b>Observed Band</b>	33kD
<b>Cell Pathway</b>	Nucleus . Cytoplasm . Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Shuttles continuously between the nucleus and the cytoplasm along with mRNA. Component of ribonucleosomes (PubMed:17289661). .; Cytoplasm . (Microbial infection) In the course of viral infection, colocalizes with HCV NS5B at speckles in the cytoplasm in a HCV-replication dependent manner. .; Nucleus . (Microbial infection) SARS coronavirus-2/SARS-CoV-2 ORF6 protein increases accumulation to the nucleus. .
<b>Tissue Specificity</b>	Bone marrow,Cervix,Cervix carcinoma,Epithelium,Eye,Fetal br
<b>Function</b>	function: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.,PTM:Arg-194, Arg-206 and Arg-225 are dimethylated, probably to asymmetric dimethylarginine.,similarity:Contains 2 RRM (RNA recognition motif) domains.,subcellular location:Shuttles continuously between the nucleus and the cytoplasm along with mRNA. Component of ribonucleosomes.,subunit:Identified in the spliceosome C complex, at least composed of AQR, ASCC3L1, C19orf29,



CDC40, CDC5L, CRNKL1, DDX23, DDX41, DDX48, DDX5, DGCR14, DHX35, DHX38, DHX8, EFTUD2, FRG1, GPATC1, HNRNPA1, HNRNPA2B1, HNRPA3, HNRNPC, HNRPF, HNRPH1, HNRPK, HNRPM, HNRNPR, HNRNPU, KIAA1160, KIAA1604, LSM2, LSM3, MAGOH, MORG1, MABPC1, PLRG1, PNN, PPIE, PPIL1, PPIL3, PPWD1, PRPF19, PRPF4B, PRPF6, PRPF8, RALY, RBM22, RBM8A, RBMX, SART1, SF3A1, SF3A2, SF3A3, S

### Background

This gene encodes a member of a family of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs), which are RNA-binding proteins that associate with pre-mRNAs in the nucleus and influence pre-mRNA processing, as well as other aspects of mRNA metabolism and transport. The protein encoded by this gene is one of the most abundant core proteins of hnRNP complexes and plays a key role in the regulation of alternative splicing. Mutations in this gene have been observed in individuals with amyotrophic lateral sclerosis 20. Multiple alternatively spliced transcript variants have been found. There are numerous pseudogenes of this gene distributed throughout the genome. [provided by RefSeq, Feb 2016],

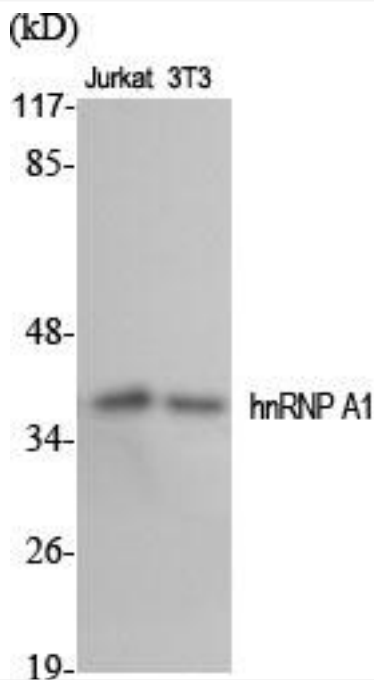
### matters needing attention

Avoid repeated freezing and thawing!

### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using hnRNP A1 Monoclonal Antibody