



## Rabbit Anti-hnRNP A1 antibody

SL17330R

<b>Product Name:</b>	hnRNP A1
<b>Chinese Name:</b>	核糖核蛋白颗粒A1蛋白抗体
<b>Alias:</b>	HNRNPA 1; Helix destabilizing protein; Helix destabilizing protein; Helix-destabilizing protein; Heterogeneous nuclear ribonucleoprotein A1; Heterogeneous nuclear ribonucleoprotein A1; Heterogeneous nuclear ribonucleoprotein A1B protein; Heterogeneous nuclear ribonucleoprotein A1B protein; Heterogeneous nuclear ribonucleoprotein B2 protein; Heterogeneous nuclear ribonucleoprotein B2 protein; Heterogeneous nuclear ribonucleoprotein core protein A1; Heterogeneous nuclear ribonucleoprotein core protein A1; hnRNP A1; hnRNP core protein A1; HNRNPA1; HNRPA1; MGC102835; Nuclear ribonucleoprotein particle A1 protein; ROA1_HUMAN; Single strand DNA binding protein UP1; Single strand DNA binding protein UP1; Single strand RNA binding protein; Single-strand RNA-binding protein; syncrip.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cow,Horse,Rabbit,Sheep,Macaque Monkey
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	39kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human hnRNP A1:1-100/372
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year

	when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>This gene belongs to the A/B subfamily of ubiquitously expressed heterogeneous nuclear 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, Jul 2008]</p> <p><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 may modulate splice site selection. May play a role in HCV RNA replication.</p> <p><b>Subcellular Location:</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. In the course of viral infection, colocalizes with HCV NS5B at speckles in the cytoplasm in a HCV-replication dependent manner.</p> <p><b>Post-translational modifications:</b> Arg-194, Arg-206 and Arg-225 are dimethylated, probably to asymmetric dimethylarginine. Sumoylated.</p> <p><b>Similarity:</b> Contains 2 RRM (RNA recognition motif) domains.</p> <p><b>SWISS:</b> P09651</p> <p><b>Gene ID:</b> 3178</p>

**Database links:**

[Entrez Gene: 3178](#) Human

[Entrez Gene: 15382](#) Mouse

[Entrez Gene: 29578](#) Rat

[Oimim: 164017](#) Human

[SwissProt: P09651](#) Human

[SwissProt: P49312](#) Mouse

[SwissProt: P04256](#) Rat

[Unigene: 546261](#) Human

[Unigene: 655424](#) Human

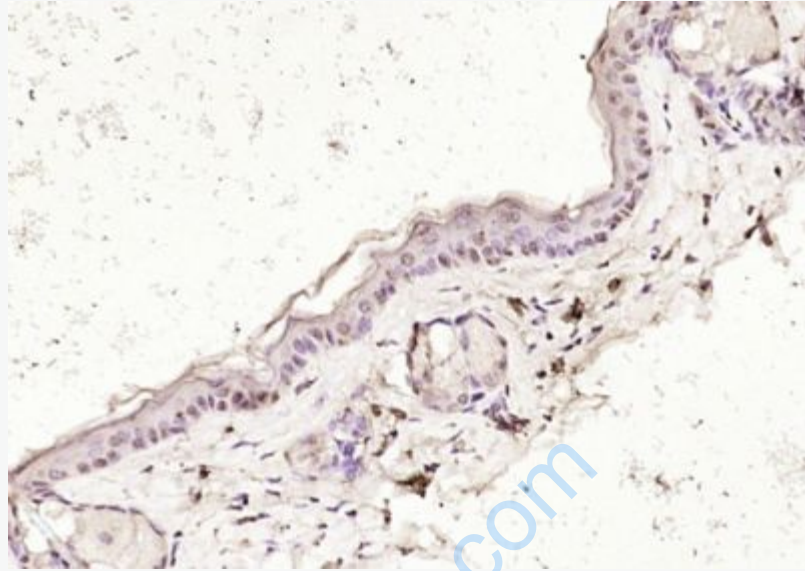
[Unigene: 237064](#) Mouse

[Unigene: 432031](#) Mouse

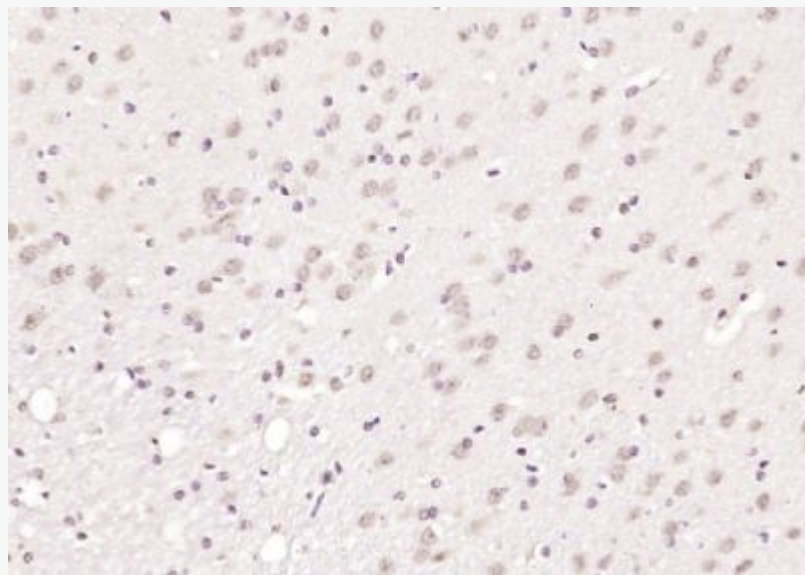
[Unigene: 25771](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Paraformaldehyde-fixed, paraffin embedded (mouse skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (hnRNP A1) Polyclonal Antibody, Unconjugated (SL17330R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (hnRNP A1) Polyclonal Antibody, Unconjugated (SL17330R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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