

## Product datasheet for **AP20408PU-S**

### hnRNP A1 (HNRNPA1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/1000. <b>Immunofluorescence:</b> 1/50-1/200. <b>Immunohistochemistry on Paraffin Sections:</b> 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of hnRNP A1 protein (region surrounding Glu85).
Formulation:	PBS, pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 33 kDa
Gene Name:	heterogeneous nuclear ribonucleoprotein A1
Database Link:	<a href="#">Entrez Gene 15382 Mouse</a> <a href="#">Entrez Gene 29578 Rat</a> <a href="#">Entrez Gene 3178 Human P09651</a>



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**Background:**

HnRNP A1 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. hnRNP A1 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.

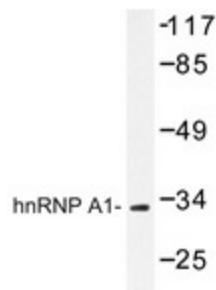
**Synonyms:**

HNRPA1, Heterogeneous nuclear ribonucleoprotein A1, hnRNP-A1

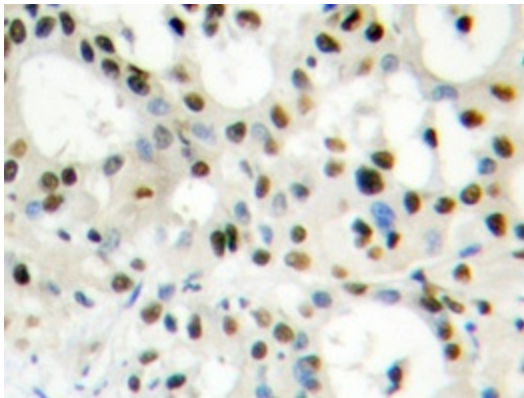
**Protein Pathways:**

Spliceosome

**Product images:**



Western blot analysis of hnRNP A1 antibody (Cat.-No.: [AP20408PU-N]) in extracts from 293 cells.



Immunohistochemistry analyzes of hnRNP A1 antibody (Cat.-No.: [AP20408PU-N]) in paraffin-embedded human liver carcinoma tissue.