

## Product datasheet for **TA345790**

### hnRNP A1 (HNRNPA1) Rabbit Polyclonal Antibody

#### Product data:

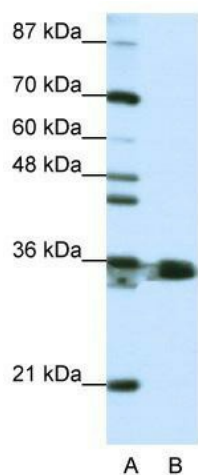
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-HNRPA1 antibody: synthetic peptide directed towards the N terminal of human HNRPA1. Synthetic peptide located within the following region: MSKSESPKEPEQLRKLFIGGLSFETTESLRSHFEQWGTLTDCVVMRDPN
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Protein A purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	35 kDa
Gene Name:	heterogeneous nuclear ribonucleoprotein A1
Database Link:	<a href="#">NP_002127</a> <a href="#">Entrez Gene 3178 Human</a> <a href="#">P09651</a>



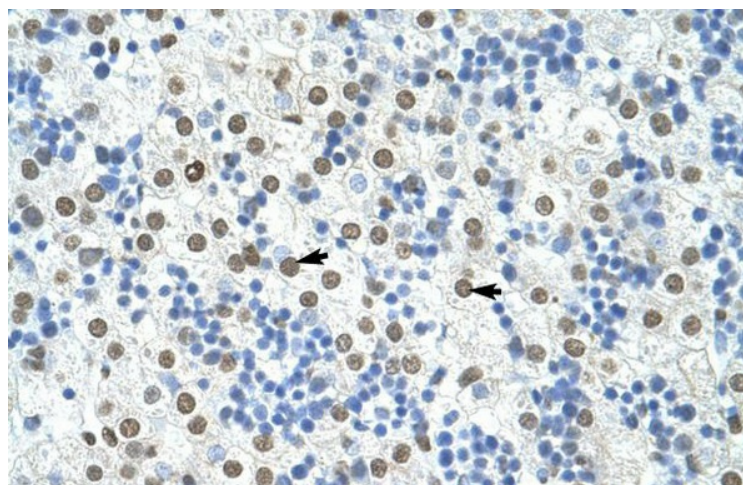
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<b>Background:</b>	<p>HNRPA1 belongs to the A/B subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). HNRPA1 has two repeats 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. HNRPA1 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. 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.</p>
<b>Synonyms:</b>	ALS19; ALS20; hnRNP-A1; hnRNP A1; HNRPA1; HNRPA1L3; IBMPFD3; UP 1
<b>Note:</b>	Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%
<b>Protein Pathways:</b>	Spliceosome

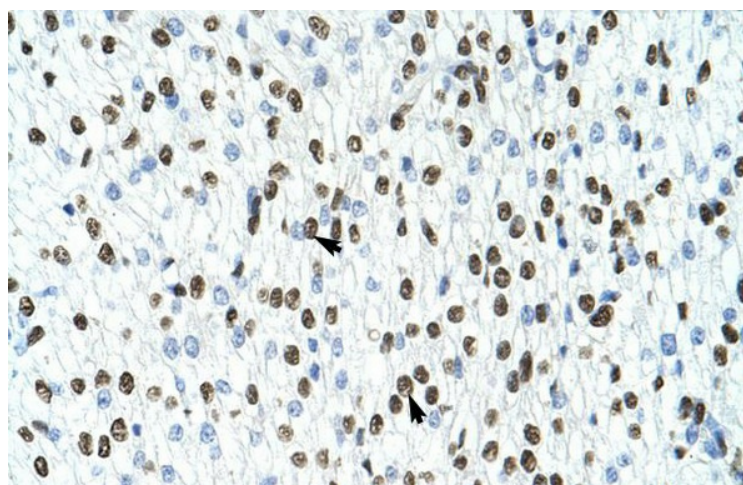
## Product images:



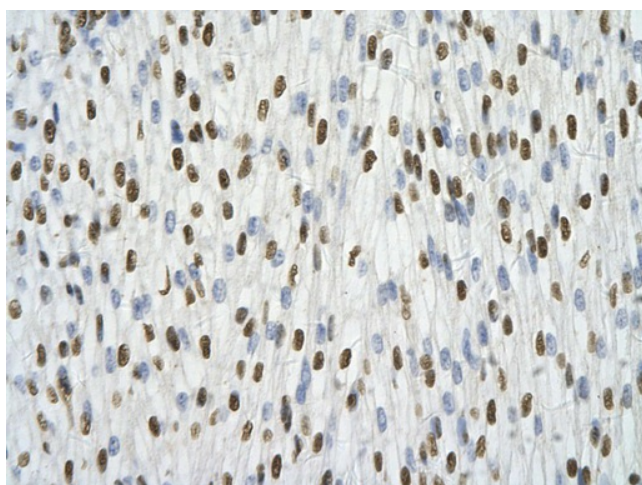
WB Suggested Anti-HNRPA1 Antibody Titration: 1.25 ug/ml; ELISA Titer: 1: 312500; Positive Control: Jurkat cell lysate; HNRNPA1 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells



Rabbit Anti-HNRPA1 Antibody; Paraffin Embedded Tissue: Human Liver; Cellular Data: Hepatocytes; Antibody Concentration: 4.0-8.0 ug/ml; Magnification: 400X



Rabbit Anti-HNRPA1 Antibody; Paraffin  
Embedded Tissue: Human Heart; Cellular Data:  
Myocardial cells; Antibody Concentration: 4.0-8.0  
ug/ml; Magnification: 400X



Rabbit Anti-HNRPA1 antibody; Paraffin  
Embedded Tissue: Human Heart cell Cellular  
Data: cardiac cell of renal tubule; Antibody  
Concentration: 4.0-8.0 ug/ml; Magnification: 400X