

## Product datasheet for **TA346966**

### hnRNP U (HNRNPU) Mouse Monoclonal Antibody [Clone ID: 1B11-H2-B7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	1B11-H2-B7
Applications:	WB
Recommend Dilution:	WB: 1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	The immunogen for HNRNPU antibody: purified recombinant human hnRNP U protein fragments expressed in E.coli.
Formulation:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.02% sodium azide, 50% glycerol
Purification:	Affinity purified
Predicted Protein Size:	110 kDa
Gene Name:	heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)
Database Link:	<a href="#">NP_114032 Entrez Gene 3192 Human</a>



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**Background:**

This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they form complexes 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 contains a RNA binding domain and scaffold-associated region (SAR)-specific bipartite DNA-binding domain. This protein is also thought to be involved in the packaging of hnRNA into large ribonucleoprotein complexes. During apoptosis, this protein is cleaved in a caspase-dependent way. Cleavage occurs at the SALD site, resulting in a loss of DNA-binding activity and a concomitant detachment of this protein from nuclear structural sites. But this cleavage does not affect the function of the encoded protein in RNA metabolism. At least two alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Jul 2008]

**Synonyms:**

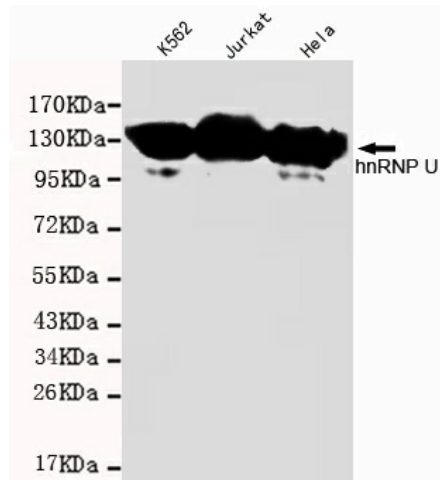
hnRNP U; HNRNPU-AS1; HNRPU; SAF-A; SAFA; U21.1

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Spliceosome

**Product images:**

Western blot detection of hnRNP U in K562, Jurkat and HeLa cell lysates and using hnRNP U mouse mAb (1:1000 diluted). Predicted band size: 110kDa. Observed band size: 110kDa.