

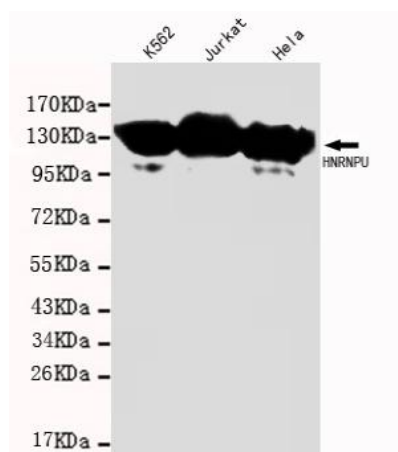


## HNRNPU Antibody

E2200594

<b>Catalog Number:</b>	E2200594
<b>Size:</b>	100ug
<b>Host:</b>	Mouse
<b>Formulation:</b>	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol
<b>Sensitivity:</b>	This antibody detects endogenous levels of HNRNPU and does not cross-react with related proteins.
<b>Entrez summary:</b>	<p>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.</p>
<b>UniPort summary</b>	Component of the CRD-mediated complex that promotes MYC mRNA stabilization. Binds to pre-mRNA. Has high affinity for scaffold-attached region (SAR) DNA. Binds to double- and single-stranded DNA and RNA.
<b>Function:</b>	
<b>Immunogen:</b>	Purified recombinant human HNRNPU protein fragments expressed in E.coli.
<b>Antibody Type:</b>	Monoclonal antibody
<b>Isotype:</b>	IgG1
<b>Purified method:</b>	Affinity purified
<b>Subcellular location:</b>	Cytoplasm. Nucleus. Cell membrane. Membrane
<b>Reactivity:</b>	H
<b>Applications:</b>	WB
<b>Molecular Weight:</b>	110kDa
<b>UniProt number:</b>	Q00839
<b>GeneBank ID:</b>	NM_031844
<b>Gene symbol:</b>	HNRPU; SAF-A; U21.1; hnRNP U
<b>Alternate names:</b>	heterogeneous nuclear ribonucleoprotein Upp120 p120 nuclear protein scaffold attachment factor A

**For Research Use Only**



Western blot detection of HNRNPU in :K562 , Jurkat &Hela cell lysates (1:1000 diluted) Predicted band size: 110KDa Observed band size: 110KDa.