HNRNPU rabbit monoclonal antibody

Catalog # H00003192-K

Size 100 ug x up to 3

Specification **Product Description** Rabbit monoclonal antibody raised against a human HNRNPU peptide using ARM Technology. Immunogen A synthetic peptide of human HNRNPU is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence. Host Rabbit Library Construction Non-fusion antibody library from rabbit spleen (ARM Technology). Expression Overexpression vector and transfection into 293H cell line. Reactivity Human **Purification** Protein A lsotype lgG **Quality Control Testing** Antibody reactive against human HNRNPU peptide by ELISA and mammalian transfected lysate by Western Blot. **Storage Buffer** In 1x PBS, pH 7.4 **Storage Instruction** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. Deliverable Up to three rabbit IgG clones of 100 ug each will be delivered to customer. Note 1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding F(ab)₂, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

Western Blot (Transfected lysate)

Protocol Download

• ELISA

Gene Info — HNRNPU

| Entrez GenelD | <u>3192</u> |
|---------------------|---|
| GeneBank Accession# | HNRNPU |
| Gene Name | HNRNPU |
| Gene Alias | HNRPU, SAF-A, U21.1 |
| Gene Description | heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A) |
| Omim ID | <u>602869</u> |
| Gene Ontology | Hyperlink |
| Gene Summary | This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleopr oteins (hnRNPs). The hnRNPs are RNA binding proteins and they form complexes with heterogen eous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and a ppear 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 enc oded 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 hnR NA into large ribonucleoprotein complexes. During apoptosis, this protein is cleaved in a caspas e-dependent way. Cleavage occurs at the SALD site, resulting in a loss of DNA-binding activity a nd a concomitant detachment of this protein from nuclear structural sites. But this cleavage does n ot affect the function of the encoded protein in RNA metabolism. At least two alternatively spliced t ranscript variants have been identified for this gene. [provided by RefSeq |
| Other Designations | OTTHUMP00000038192 heterogeneous nuclear ribonucleoprotein U hnRNP U protein p120 nucl ear protein scaffold attachment factor A |