

Mouse anti-Human hnRNP U (HNRNPU) Monoclonal Antibody | anti-HNRNPU antibody

hnRNP U (HNRNPU) Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62429	Mouse	Human	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

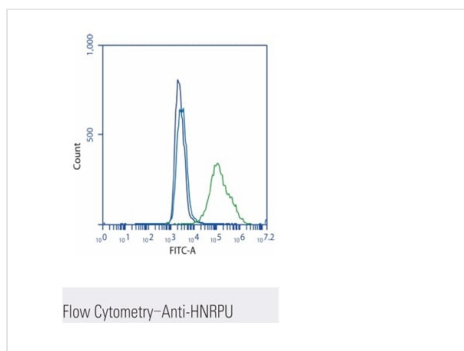
PRODUCT SYNONYMS

hnRNP U (HNRNPU); Monoclonal Antibody; hnRNP U (HNRNPU) Mouse mAb; anti-HNRNPU antibody

PRODUCT SPECIFICATIONS

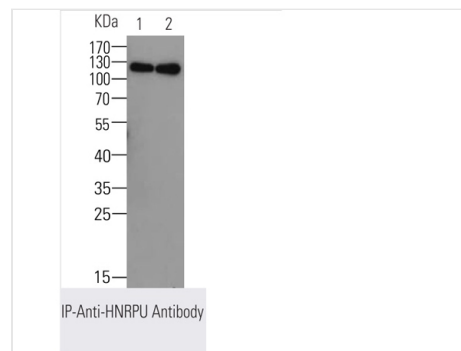
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Sequence Length	825
Applicable Applications for anti-HNRNPU antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a sythetic peptide(KLH coupled)corresponding to amino-terminal residues of human HNRPU.
Preparation and Storage	Store at -20 degree C. Stable for one year from the date of shipment.

IMAGES



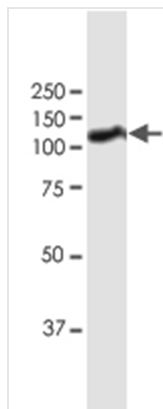
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of 2% paraformaldehyde-fixed HepG2 (liver hepatocellular carcinoma) cells labeling HNRPU with M25416 at 1/200 dilution (green) compared with a mouse monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody, blue). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



IP (Immunoprecipitation)

HNRPU was immunoprecipitated from 1mg of HepG2 cells membrane fraction, blotted with M25416 of 10 ug. Western blot was performed from the immunopre-cipitate using M25416 at 1/1000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: HepG2 cells membrane fraction. Lane2: IP product of HepG2 cells membrane fraction.Predicted band size : 91 KDaObserved band size : 115 KDaBlocking and dilution buffer and concentration:5% milk/TBST.



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-HNRNPU antibody	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.
Product Categories/Family for anti-HNRNPU antibody	Nucleoplasma; Lung Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	74136883
NCBI GeneID	3192
NCBI Accession #	NP_114032.2
NCBI GenBank Nucleotide #	NM_031844.2
UniProt Accession #	Q00839; O75507; Q8N174; Q96HY9; Q9BQ09
Molecular Weight	Predicted MW: 91kDa
NCBI Official Full Name	heterogeneous nuclear ribonucleoprotein U isoform a
NCBI Official Synonym Full Names	heterogeneous nuclear ribonucleoprotein U
NCBI Official Symbol	HNRNPU
NCBI Official Synonym Symbols	SAFA; HNRPU; SAF-A; U21.1; pp120; EIEE54; GRIP120; hnRNP U; HNRNPU-AS1
NCBI Protein Information	heterogeneous nuclear ribonucleoprotein U
UniProt Protein Name	Heterogeneous nuclear ribonucleoprotein U
UniProt Gene Name	HNRNPU
UniProt Synonym Gene Names	hnRNP U1 PublicationManual assertion based on opinion iniRef.1; SAF-A2 PublicationsManual assertion based on opinion iniRef.3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hnrnp-u-hnrnpu-antibody-flow-cytometry-immunoprecipitation-western-blot-elisa/62429>