

For Research Use Only

HNRNPU Recombinant antibody

Catalog Number: 84964-4-RR



Basic Information

Catalog Number:

84964-4-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6141

GenBank Accession Number:

BC003621

GeneID (NCBI):

3192

UNIPROT ID:

Q00839

Full Name:

heterogeneous nuclear ribonucleoprotein U (scaffold attachment factor A)

Calculated MW:

825 aa, 91 kDa

Observed MW:

120 kDa

Purification Method:

Protein A purification

CloneNo.:

242609C9

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HEK-293 cells, Jurkat cells, HeLa cells, HepG2 cells, MCF-7 cells, NIH/3T3 cells,

Background Information

HNRNPU, also named as HNRPU, SAFA, and U21.1, is a 825 amino acid protein, which is extensively phosphorylated. HNRNPU as a component of ribonucleosomes localized in cytoplasmic mRNP granules containing untranslated mRNAs. HNRNPU is a component of the CRD-mediated complex that promotes MYC mRNA stabilization. HNRNPU Plays a role in the circadian regulation of the core clock component ARNTL/BMAL1 transcription. The calculated molecular weight of HNRNPU is 90 kDa, but the 120 kDa HNRNPU protein is an abundant nucleoplasmic phosphoprotein that can be crosslinked to pre-mRNA in intact cells by UV light (PMID: 1628625).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

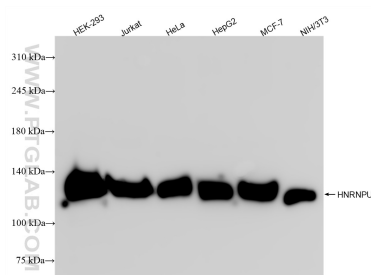
For technical support and original validation data for this product please contact:

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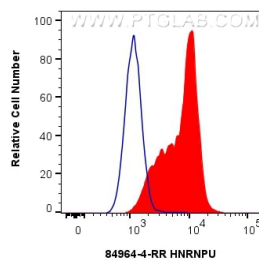
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84964-4-RR (HNRNPU antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug HNRNPU Recombinant antibody (84964-4-RR, Clone:242609C9) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).