

For Research Use Only

# HNRNPU Polyclonal antibody

Catalog Number: 14599-1-AP

21 Publications



## Basic Information

### Catalog Number:

14599-1-AP

### Size:

150ul, Concentration: 750 ug/ml by Nanodrop and 620 ug/ml by Bradford method using BSA as the standard;

### 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:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IF/ICC, IP, ELISA

### Cited Applications:

WB, IF, IP, ChIP, RIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : HEK-293 cells, mouse lung tissue, HeLa cells, Jurkat cells, K-562 cells

IP : HeLa cells,

IF/ICC : HeLa 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Li Liu	31527085	J Biol Chem	WB
Hiroaki Suzuki	25378556	Hum Mol Genet	WB
Shaojun Zhang	34737357	Cell Res	WB

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

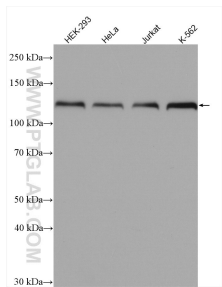
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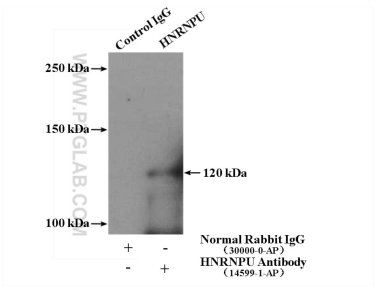
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14599-1-AP (HNRNPU antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



IP result of anti-HNRNPU (IP:14599-1-AP, 4ug; Detection:14599-1-AP 1:800) with HeLa cells lysate 2400ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using HNRNPU antibody (14599-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).