

# hnRNP U Rabbit mAb

Catalog No.: A4257 **Recombinant**

## Basic Information

### Observed MW

120kDa

### Calculated MW

91kDa

### Category

Primary antibody

### Applications

WB,IHC-P,IF/ICC,IP,ELISA

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC0942

## Background

This gene encodes a member of a family of proteins that bind nucleic acids and function in the formation of ribonucleoprotein complexes in the nucleus with heterogeneous nuclear RNA (hnRNA). The encoded protein has affinity for both RNA and DNA, and binds scaffold-attached region (SAR) DNA. Mutations in this gene have been associated with epileptic encephalopathy, early infantile, 54. A pseudogene of this gene has been identified on chromosome 14.

## Recommended Dilutions

<b>WB</b>	1:1000 - 1:6000
<b>IHC-P</b>	1:200 - 1:2000
<b>IF/ICC</b>	1:100 - 1:1000
<b>IP</b>	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

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## Immunogen Information

### Gene ID

3192

### Swiss Prot

Q00839

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-100 of human hnRNP U (Q00839).

### Synonyms

SAFA; DEE54; HNRPU; SAF-A; U21.1; pp120; EIEE54; GRIP120; hnRNP U; HNRNPU-AS1

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

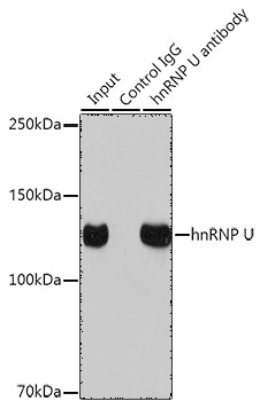
Affinity purification

### Storage

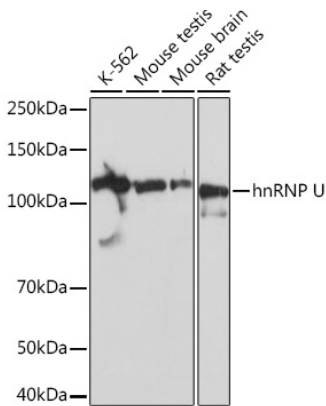
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.

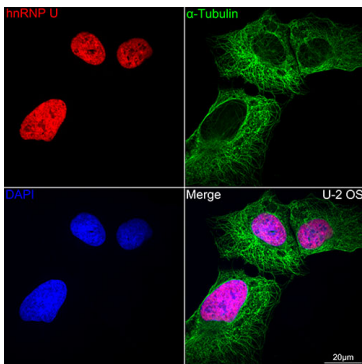
## Validation Data



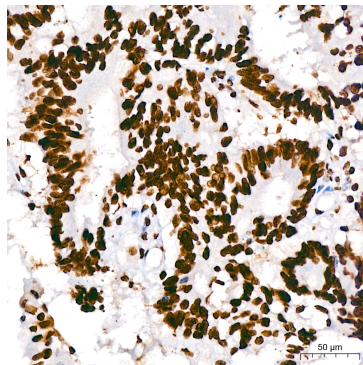
Immunoprecipitation analysis of 300  $\mu$ g extracts of K-562 cells using 3  $\mu$ g hnRNP U antibody (A4257). Western blot was performed from the immunoprecipitate using hnRNP U antibody (A4257) at a dilution of 1:1000.



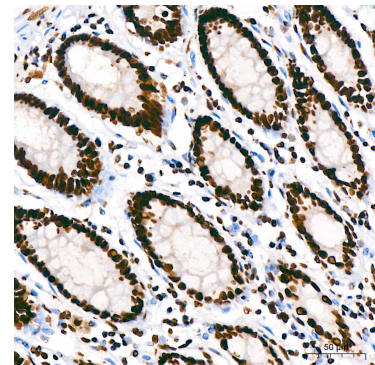
Western blot analysis of various lysates using hnRNP U Rabbit mAb (A4257) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



Confocal imaging of U-2 OS cells using hnRNP U Rabbit mAb (A4257, dilution 1:100) (Red). The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (AC012, dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.

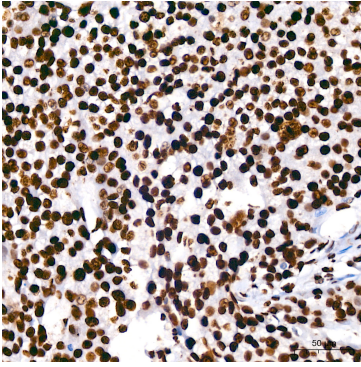


Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using hnRNP U Rabbit mAb (A4257) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.

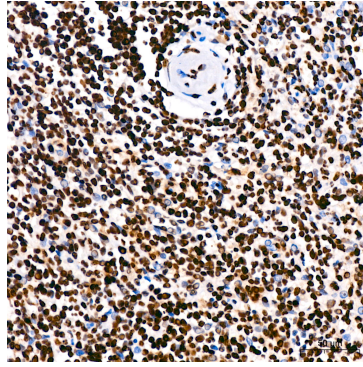


Immunohistochemistry analysis of paraffin-embedded Human colon using hnRNP U Rabbit mAb (A4257) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.

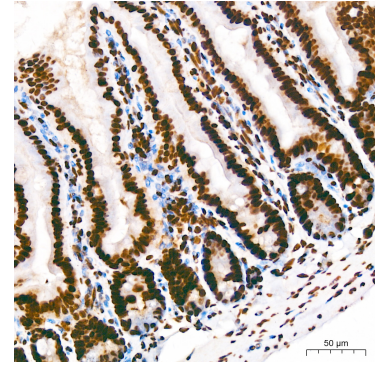
## Validation Data



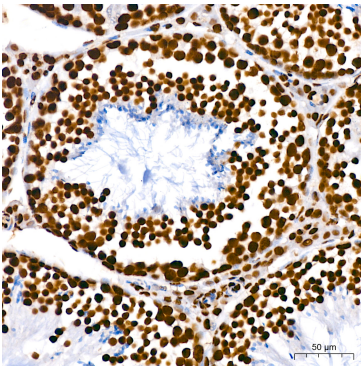
Immunohistochemistry analysis of paraffin-embedded Human liver cancer using hnRNP U Rabbit mAb (A4257) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



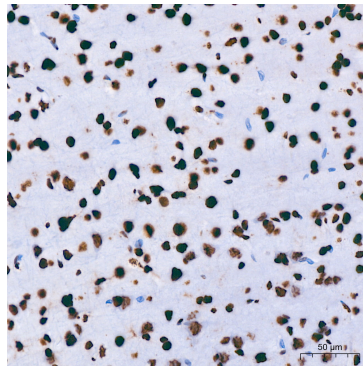
Immunohistochemistry analysis of paraffin-embedded Human spleen using hnRNP U Rabbit mAb (A4257) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



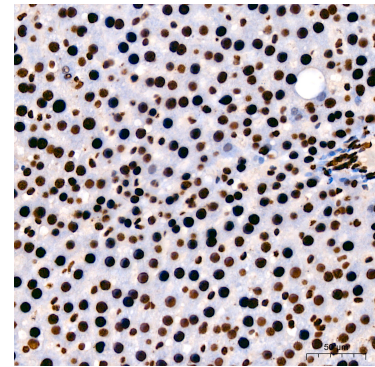
Immunohistochemistry analysis of paraffin-embedded Mouse colon using hnRNP U Rabbit mAb (A4257) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



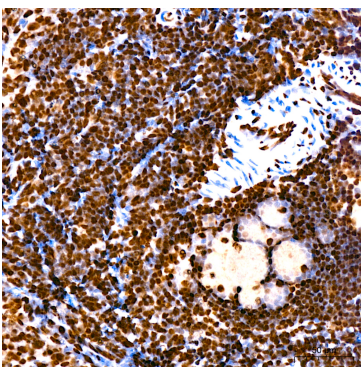
Immunohistochemistry analysis of paraffin-embedded Mouse testis using hnRNP U Rabbit mAb (A4257) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain using hnRNP U Rabbit mAb (A4257) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat liver using hnRNP U Rabbit mAb (A4257) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen using hnRNP U Rabbit mAb (A4257) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.