

hnRNP U Rabbit mAb

Catalog No.: A4257 **Recombinant**

Basic Information

Observed MW

120kDa

Calculated MW

91kDa

Category

Primary antibody

Applications

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

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

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

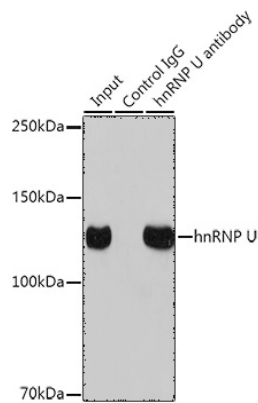
Affinity purification

Storage

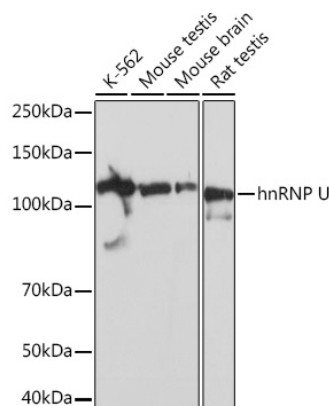
Store at -20°C. Avoid freeze / thaw cycles.

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

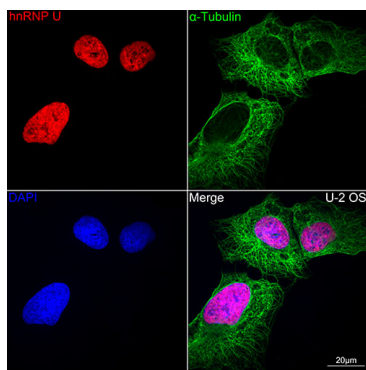
Validation Data



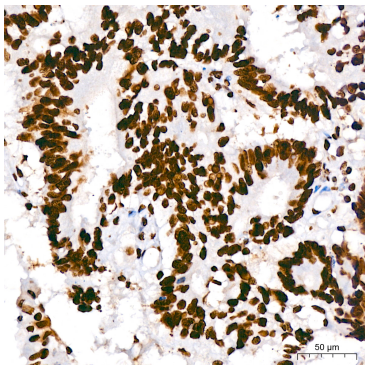
Immunoprecipitation analysis of 300 µg extracts of K-562 cells using 3 µg hnRNP U antibody (A4257). Western blot was performed from the immunoprecipitate using hnRNP U antibody (A4257) at a dilution of 1:1000.



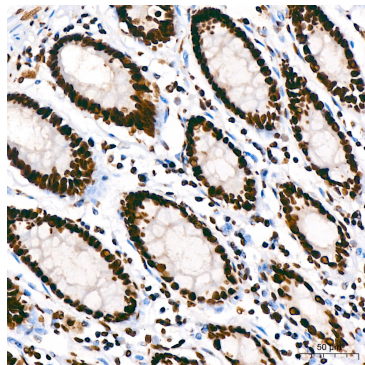
Western blot analysis of various lysates using hnRNP U Rabbit mAb (A4257) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: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



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

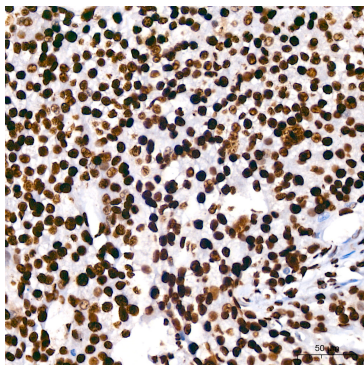


Immunohistochemistry analysis of hnRNP U in paraffin-embedded human colon carcinoma using hnRNP U Rabbit mAb (A4257) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

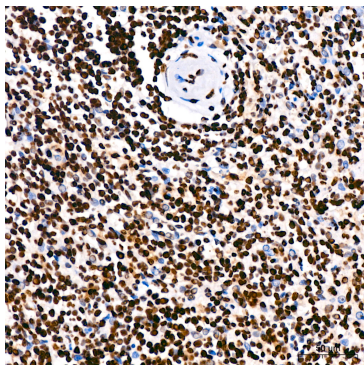


Immunohistochemistry analysis of hnRNP U in paraffin-embedded human colon using hnRNP U Rabbit mAb (A4257) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

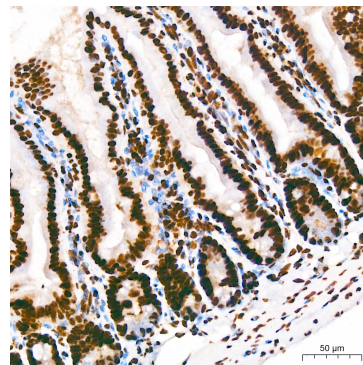
Validation Data



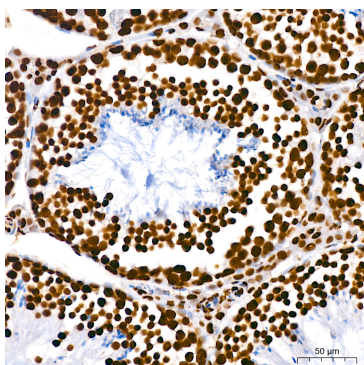
Immunohistochemistry analysis of hnRNP U in paraffin-embedded human liver cancer using hnRNP U Rabbit mAb (A4257) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



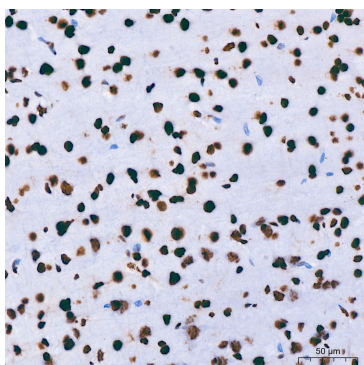
Immunohistochemistry analysis of hnRNP U in paraffin-embedded human spleen using hnRNP U Rabbit mAb (A4257) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



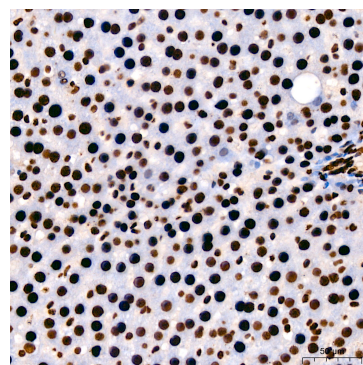
Immunohistochemistry analysis of hnRNP U in paraffin-embedded mouse colon using hnRNP U Rabbit mAb (A4257) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



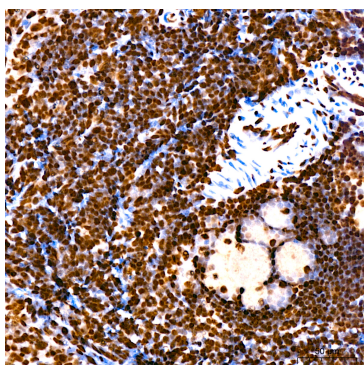
Immunohistochemistry analysis of hnRNP U in paraffin-embedded mouse testis using hnRNP U Rabbit mAb (A4257) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of hnRNP U in paraffin-embedded rat brain using hnRNP U Rabbit mAb (A4257) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of hnRNP U in paraffin-embedded rat liver using hnRNP U Rabbit mAb (A4257) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of hnRNP U in paraffin-embedded rat spleen using hnRNP U Rabbit mAb (A4257) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.