hnRNP U Monoclonal Antibody

CAB4257

Description

This hnRNP U Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB4257
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	SAFA, DEE54, HNRPU, SAF-A, U21.1, pp120, EIEE54, GRIP120, hnRNP U, HNRNPU-AS1
Clone:	ARC0942
Applications:	WB IHC-P IF/ICC IP ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	3192
Uniprot:	AB_2863218
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	120kDa
Calculated MW:	91kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

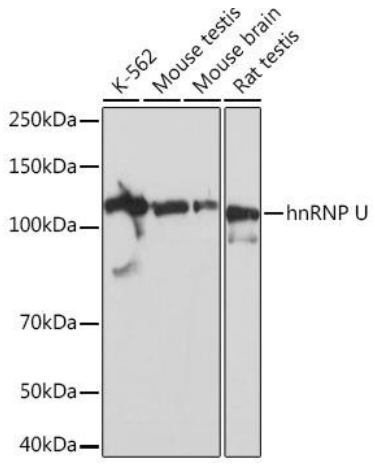
Positive Sample: K-562, Mouse testis, Mouse brain, Rat testis

Recommended Dilutions:

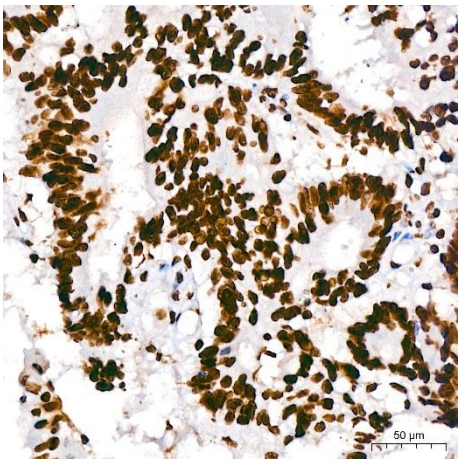
WB	1:1000 - 1:6000
IHC-P	1:200 - 1:2000
IF/ICC	1:100 - 1:1000
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol

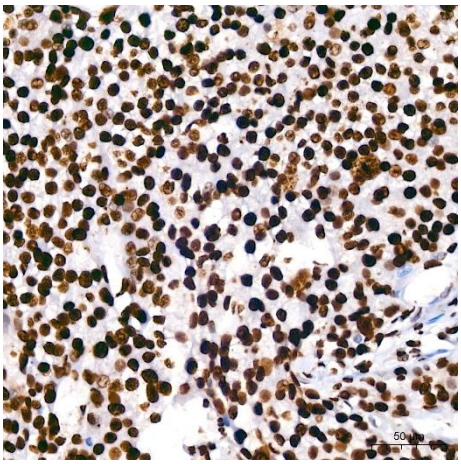
Validation Data



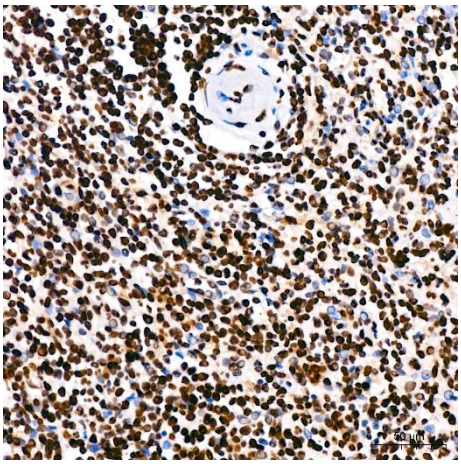
Western blot analysis of various lysates using hnRNP U Rabbit mAb (CAB4257) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.



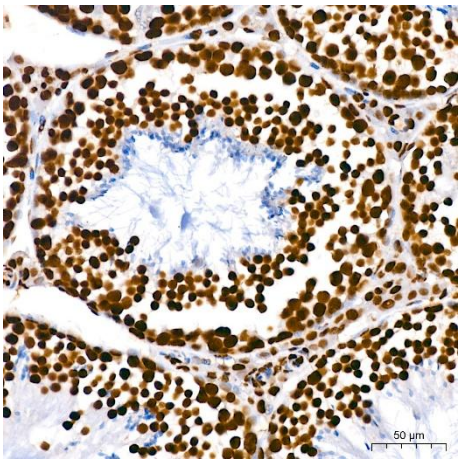
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using hnRNP U Rabbit mAb (CAB4257) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



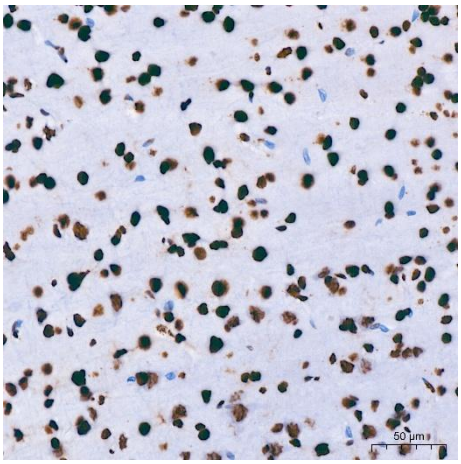
Immunohistochemistry analysis of paraffin-embedded Human liver cancer using hnRNP U Rabbit mAb (CAB4257) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



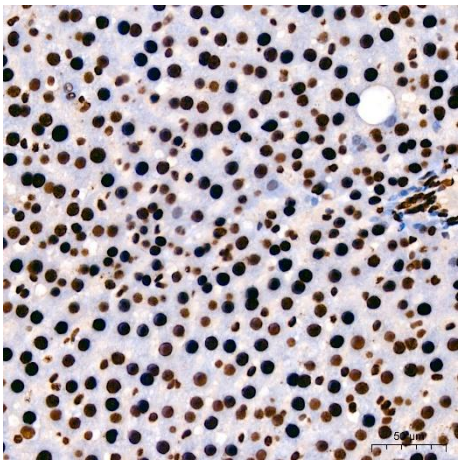
Immunohistochemistry analysis of paraffin-embedded Human spleen using hnRNP U Rabbit mAb (CAB4257) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



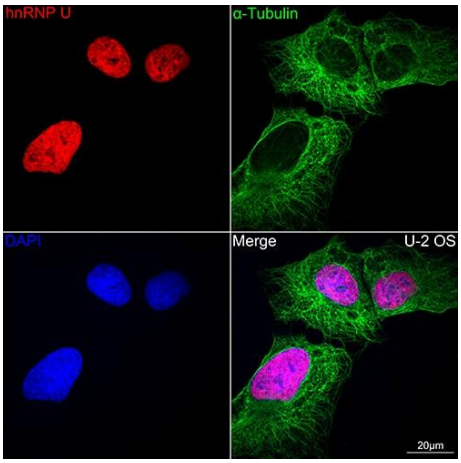
Immunohistochemistry analysis of paraffin-embedded Mouse testis using hnRNP U Rabbit mAb (CAB4257) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



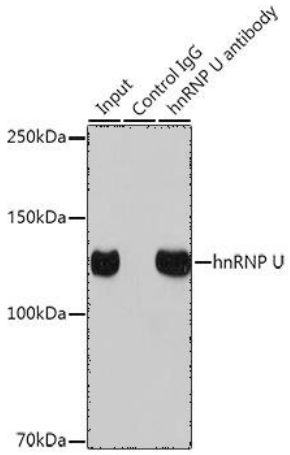
Immunohistochemistry analysis of paraffin-embedded Rat brain using hnRNP U Rabbit mAb (CAB4257) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat liver using hnRNP U Rabbit mAb (CAB4257) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Confocal imaging of U-2 0S cells using hnRNP U Rabbit mAb (CAB4257,dilution 1:100)(Red). The cells were counterstained with α-Tubulin Mouse mAb (CABC012,dilution 1:400) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.



Immunoprecipitation analysis of 300 µg extracts of K-562 cells using 3 µg hnRNP U antibody (CAB4257). Western blot was performed from the immunoprecipitate using hnRNP U antibody (CAB4257) at a dilution of 1:1000.