

# hnRNP U Rabbit mAb

Catalog No: #49793



Package Size: #49793-1 50ul #49793-2 100ul

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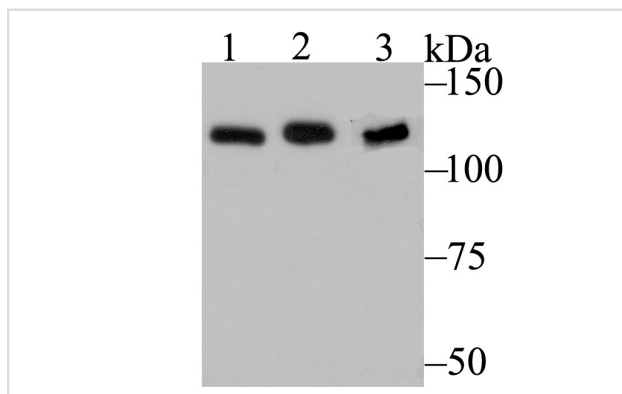
## Description

Product Name	hnRNP U Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JB23-43
Purification	ProA affinity purified
Applications	WB, ICC, IF, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	Heterogeneous nuclear ribonucleoprotein U antibody hnRNP U antibody hnRNP U protein antibody HNRNPU antibody hnRNPU protein antibody HNRPU antibody HNRPU_HUMAN antibody p120 antibody p120 nuclear protein antibody pp120 antibody SAF A antibody SAF-A antibody SAFA antibody Scaffold attachment factor A antibody U21.1 antibody
Accession No.	Swiss-Prot#:Q00839
Uniprot	Q00839
GeneID	3192;
Calculated MW	120 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

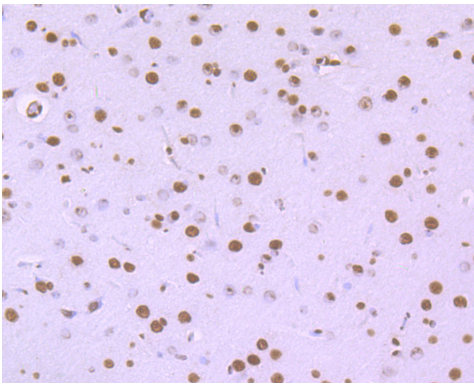
## Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 ICC: 1:100-1:500

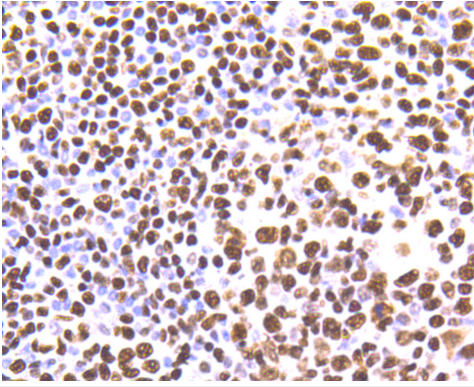
## Images



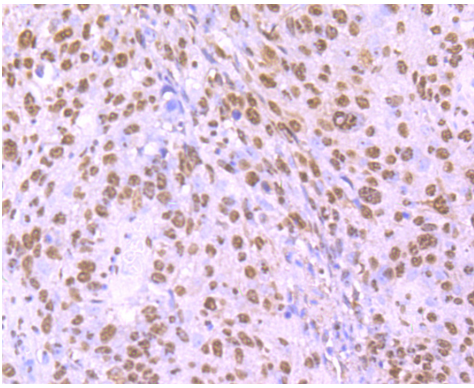
Western blot analysis of HnRNP U on different cell lysates using anti-HnRNP U at 1/500 dilution. Positive control  $\Omega\frac{1}{2}\Omega\frac{1}{2}$  Lane 1: NIH-3T3 Lane 2: SH-SY-5Y Lane 3: K562



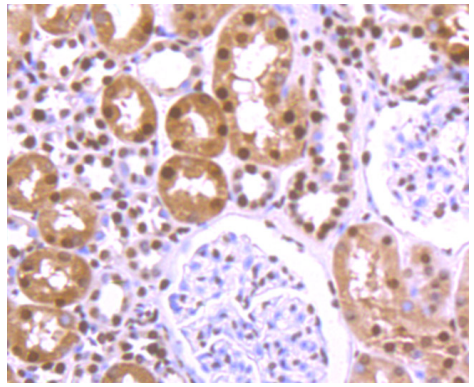
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-HnRNP U antibody. Counter stained with hematoxylin.



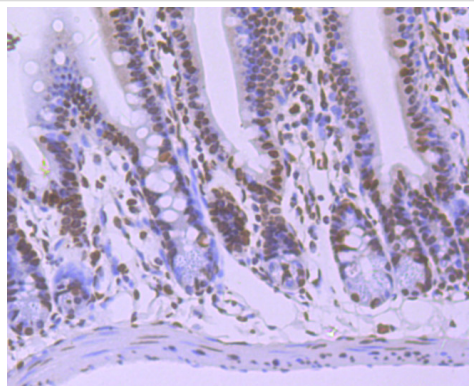
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-HnRNP U antibody. Counter stained with hematoxylin.



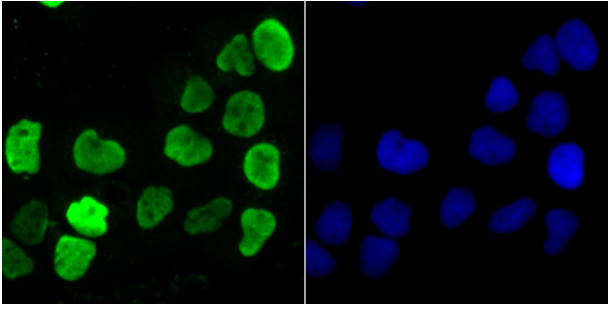
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-HnRNP U antibody. Counter stained with hematoxylin.



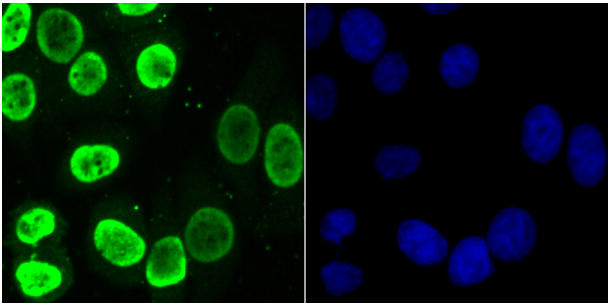
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-HnRNP U antibody. Counter stained with hematoxylin.



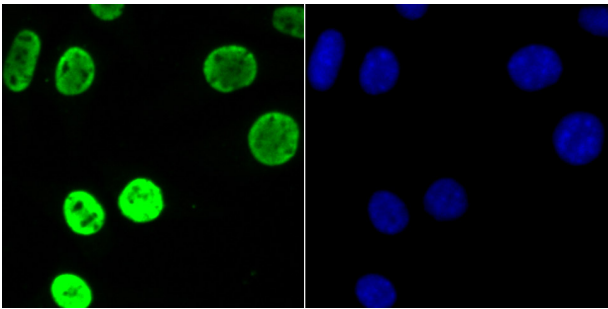
Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-HnRNP U antibody. Counter stained with hematoxylin.



ICC staining HnRNP U in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining HnRNP U in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining HnRNP U in SHSY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

## Background

DNA- and RNA-binding protein involved in several cellular processes such as nuclear chromatin organization, telomere-length regulation, transcription, mRNA alternative splicing and stability, Xist-mediated transcriptional silencing and mitotic cell progression. Plays a role in the regulation of interphase large-scale gene-rich chromatin organization through chromatin-associated RNAs (caRNAs) in a transcription-dependent manner, and thereby maintains genomic stability. Plays a role as a RNA polymerase II (Pol II) holoenzyme transcription regulator. Promotes transcription initiation by direct association with the core-TFIID basal transcription factor complex for the assembly of a functional pre-initiation complex with Pol II in an actin-dependent manner. Blocks Pol II transcription elongation activity by inhibiting the C-terminal domain (CTD) phosphorylation of Pol II and dissociates from Pol II pre-initiation complex prior to productive transcription elongation. Positively regulates CBX5-induced transcriptional gene silencing and retention of CBX5 in the nucleus.

## References

Note: This product is for in vitro research use only