

Anti-HNRNPU Antibody (9L701)

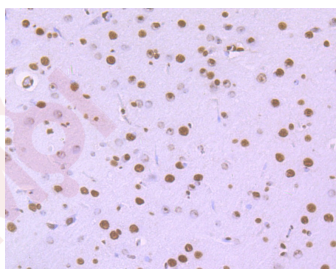
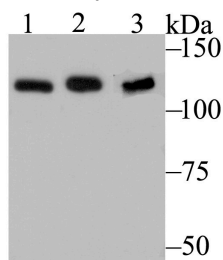
Product Details

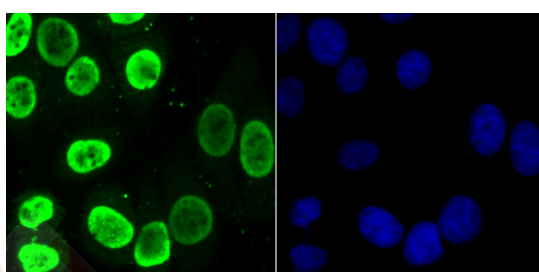
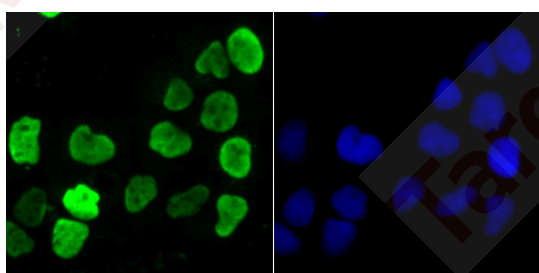
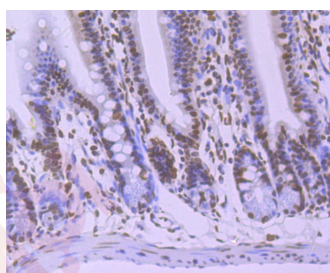
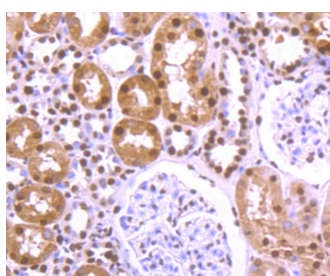
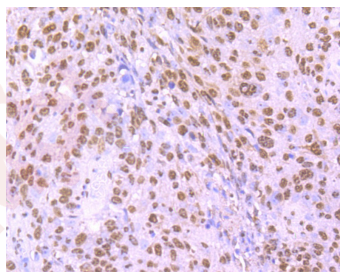
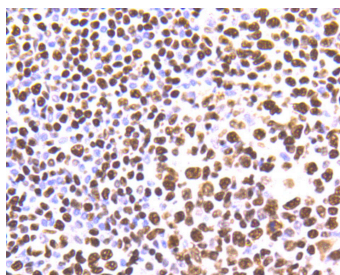
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 120 kDa.
Clone:	9L701
Purification:	ProA affinity purified

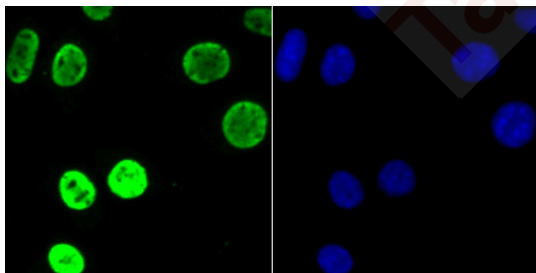
Applications

Verified Activity:

1. Western blot analysis of HnRNP U on different cell lysates using anti-HnRNP U at 1/500 dilution. Positive control: Lane 1: NIH-3T3, Lane 2: SH-SY-5Y, Lane 3: K562.
2. Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-HnRNP U antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-HnRNP U antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-HnRNP U antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-HnRNP U antibody. Counter stained with hematoxylin.
6. Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-HnRNP U antibody. Counter stained with hematoxylin.
7. 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.
8. 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.
9. 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.







Application: ICC,IF,IHC,WB

Recommended WB: 1:500-1000; IHC: 1:50-200; ICC: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q00839

Synonyms: Scaffold attachment factor A;HNRPU_HUMAN;SAFA;hnRNPU protein;HNRNPU;hnRNP U protein;SAF A;Heterogeneous nuclear ribonucleoprotein U;pp120;hnRNP U;U21.1;HNRPU;p120 nuclear protein;SAF-A;p120

Research 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 a 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481