

U1A Rabbit mAb

Catalog No: #49874

Package Size: #49874-1 50ul #49874-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	U1A Rabbit mAb
Clone No.	JB33-48
Purification	ProA affinity purified
Applications	WB, ICC, IF, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein corresponding to N-terminal human U1A.
Other Names	fc19d01 antibody Mud1 antibody small nuclear ribonucleoprotein polypeptide A antibody snRNP A antibody snRNP protein A antibody SNRPA antibody SNRPA_HUMAN antibody U1 small nuclear ribonucleoprotein A antibody U1 small nuclear RNP specific A antibody U1 snRNP A antibody U1 snRNP specific protein A antibody U1-A antibody U1A antibody wu:fc19d01 antibody zgc:77810 antibody
Accession No.	Swiss-Prot#:P09012
Uniprot	P09012
GeneID	6626;
Calculated MW	31 kDa
Concentration	1mg/ml
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

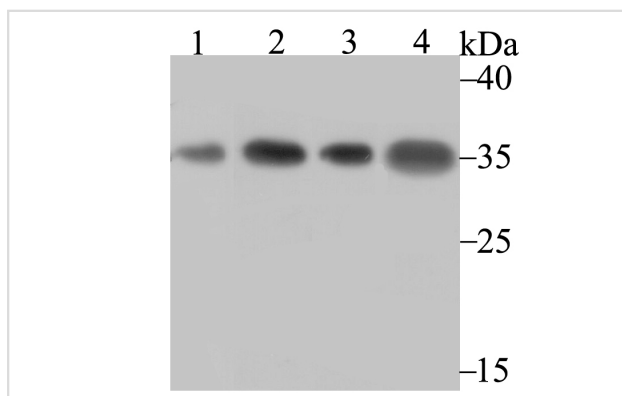
WB: 1:500-1:1,000

IHC: 1:50-1:200

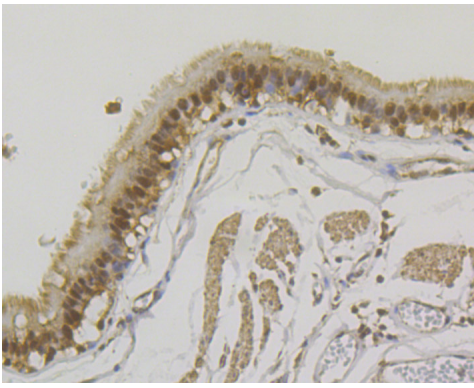
ICC: 1:50-1:200

IP: 1:50-1:100

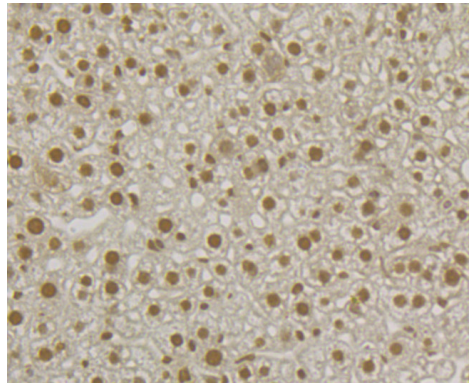
Images



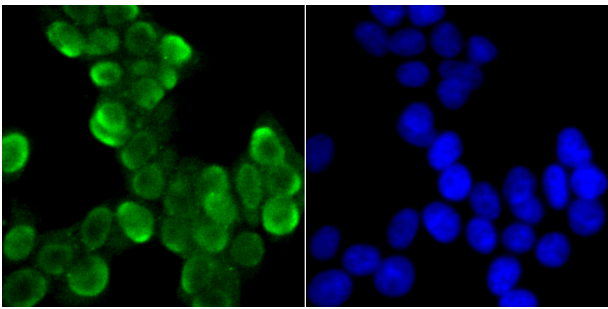
Western blot analysis of U1A on different lysates using anti-U1A antibody at 1/500 dilution. Positive control: Lane 1: Rat brain Lane 2: K562 Lane 3: A431 Lane 4: Mouse kidney



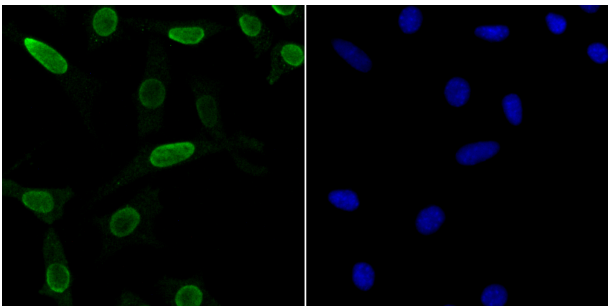
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-U1A antibody. Counter stained with hematoxylin.



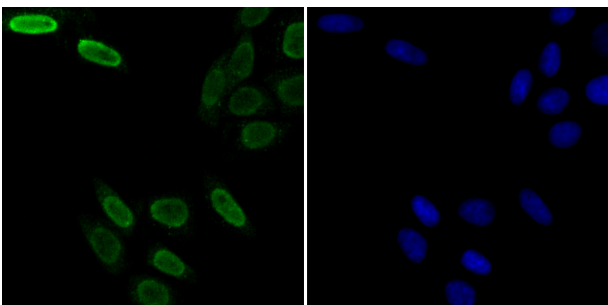
Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-U1A antibody. Counter stained with hematoxylin.



ICC staining U1A in 293T cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining U1A in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining U1A in SiHa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

SNRPA (small nuclear ribonucleoprotein polypeptide A), also known as U1A (U1 snRNP protein A), is a component of the RNA spliceosome, a complex of proteins that are required for the precise excision of introns from pre-messenger RNA (pre-mRNA). Localizing to the nucleus, SNRPA contains two RRM (RNA recognition motif) domains, namely RRM1 and RRM2, and RRM1 specifically associates with the stem loop II of U1 snRNA (small nuclear RNA). In addition to functioning as a component of the U1 snRNP, SNRPA negatively regulates polyadenylation of SNRPA pre-mRNA, thereby negatively regulating itself. By inhibiting the addition of a polyA tail that would allow the pre-mRNA to mature, SNRPA causes the nuclear exosome degradation of the SNRPA pre-mRNA. At least 16% of cellular SNRPA also functions in an snRNP-free form (SF-A) that complexes with a group of non-snRNP proteins.

Note: This product is for in vitro research use only