

hnRNP A1 Rabbit mAb

Catalog No: #49562

Package Size: #49562-1 50ul #49562-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

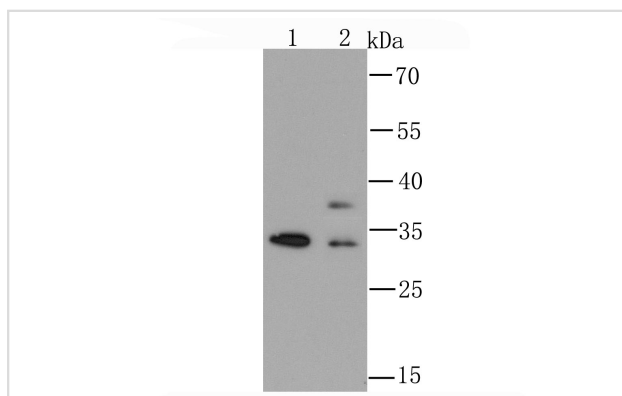
Description

Product Name	hnRNP A1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JA39-21
Purification	ProA affinity purified
Applications	WB, ICC, IHC, FC
Species Reactivity	Hu, Ms,Rt
Immunogen Description	recombinant protein
Other Names	HNRNPA 1 antibody Helix destabilizing protein antibody Helix-destabilizing protein antibody Heterogeneous nuclear ribonucleoprotein A1 antibody Heterogeneous nuclear ribonucleoprotein A1B protein antibody Heterogeneous nuclear ribonucleoprotein B2 protein antibody Heterogeneous nuclear ribonucleoprotein core protein A1 antibody hnRNP A1 antibody hnRNP core protein A1 antibody HNRNPA1 antibody HNRPA1 antibody MGC102835 antibody Nuclear ribonucleoprotein particle A1 protein antibody ROA1_HUMAN antibody Single strand DNA binding protein UP1 antibody Single strand RNA binding protein antibody Single-strand RNA-binding protein antibody
Accession No.	Swiss-Prot#:P09651
Uniprot	P09651
GeneID	3178;
Calculated MW	33 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

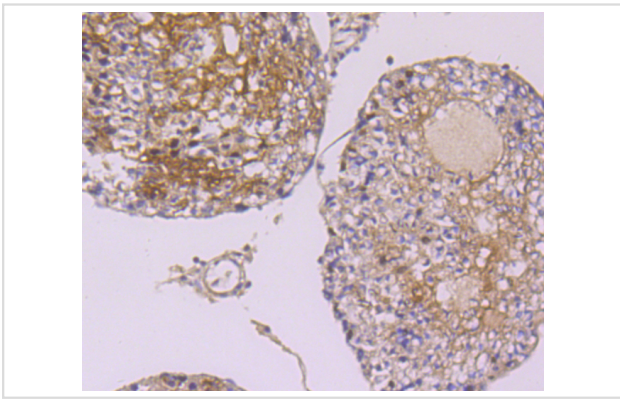
Application Details

WB: 1:500-1:2,000 ICC: 1:50-1:200

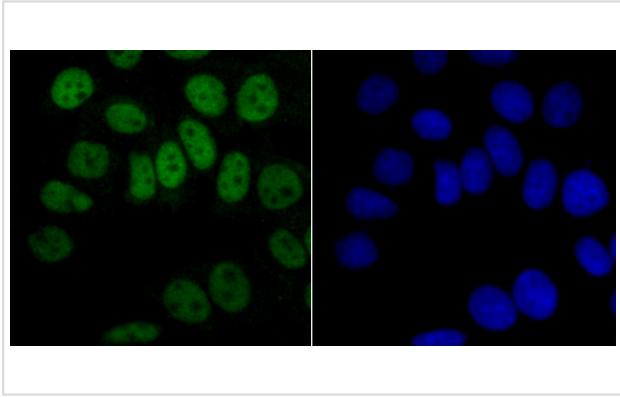
Images



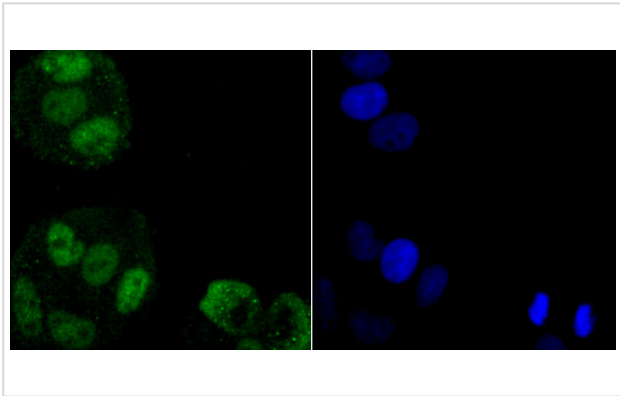
Western blot analysis of hnRNP A1 on HepG2 (1) and PC-12 (2) cell using anti-hnRNP A1 antibody at 1/1,000 dilution.



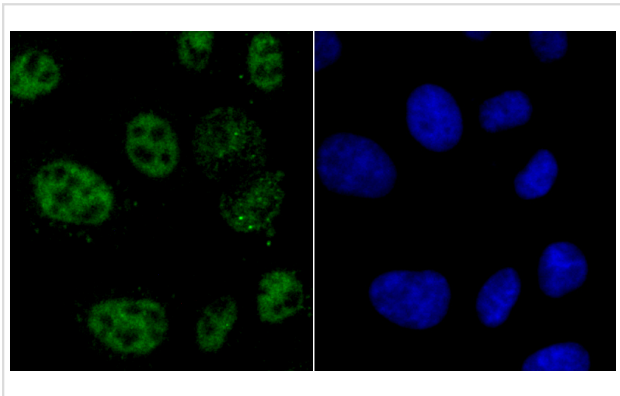
Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-hnRNP A1 antibody. Counter stained with hematoxylin.



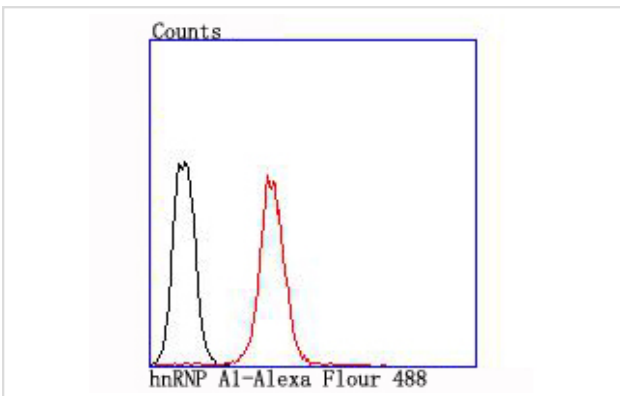
ICC staining hnRNP A1 in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining hnRNP A1 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining hnRNP A1 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Jurkat cells with hnRNP A1 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

Background

Heterogeneous nuclear ribonucleoproteins (hnRNPs) constitute a set of poly-peptides that contribute to mRNA transcription and pre-mRNA processing as well as mature mRNA transport to the cytoplasm and translation. They also bind heterogeneous nuclear RNA (hnRNA), which are the transcripts produced by RNA polymerase II. There are approximately 20 known hnRNP proteins, and their complexes are the major constituents of the spliceosome. The majority of hnRNP protein components are localized to the nucleus; however some shuttle between the nucleus and the cytoplasm. The A/B subfamily of hnRNPs include A1, A2/B1, A3 and A0, and in *Xenopus*, hnRNP A1, A2 and A3 are ubiquitously expressed throughout development as well as in adult tissues. hnRNP A1 and A2/B1 regulate the processing of pre-mRNA by directly antagonizing the association of various splicing factors and by influencing the splice site selection on pre-mRNA. The hnRNP A0 gene is distinct from the other A/B family members, and it encodes a low-abundance protein, which is implicated in mRNA stability.

References

Note: This product is for in vitro research use only