

## Rabbit hnRNP A1 Monoclonal Antibody | anti-HNRNPA1 antibody

hnRNP A1 Antibody

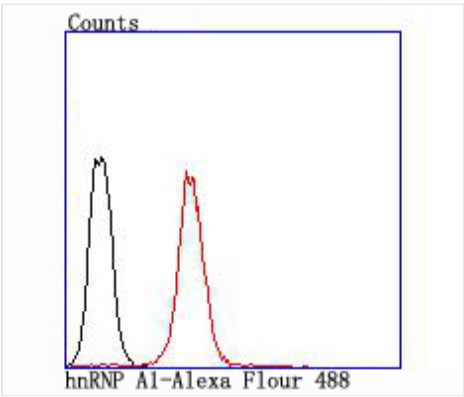
| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                              |
|-----------|--------|-------------------|-------------------------------------------------------------------------------------------|
| AAA30352  | Rabbit | Human, Mouse, Rat | Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay |

### PRODUCT SYNONYMS

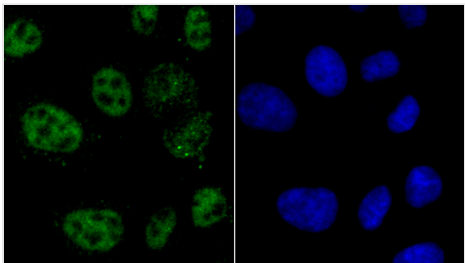
hnRNP A1; Monoclonal Antibody; hnRNP A1 Antibody; HNRNPA 1 antibody; Helix destabilizing protein antibody; Helix-destabilizing protein antibody; Heterogeneous nuclear ribonucleoprotein A1 antibody; Heterogeneous nuclear ribonucleoprotein A1B protein antibody; Heterogeneous nuclear ribonucleoprotein B2 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; anti-HNRNPA1 antibody

### PRODUCT SPECIFICATIONS

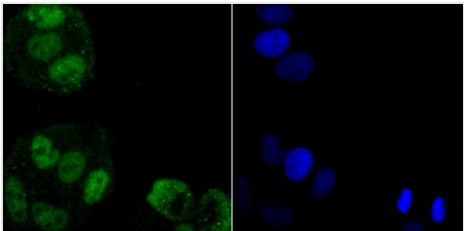
|                                                   |                                                                                                     |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Host                                              | Rabbit                                                                                              |
| Reactivity                                        | Human, Mouse, Rat                                                                                   |
| Clonality                                         | Monoclonal                                                                                          |
| Clone Number                                      | JA39-21                                                                                             |
| Purity/Purification                               | ProA affinity purified                                                                              |
| Form/Format                                       | 1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.                              |
| Applicable Applications for anti-HNRNPA1 antibody | WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry) |
| Application Notes                                 | WB: 1:500-1:2000<br>ICC: 1:50-1:200                                                                 |
| Antibody Type                                     | Recombinant Antibody                                                                                |
| Immunogen                                         | Recombinant protein                                                                                 |
| Conjugation                                       | Unconjugated                                                                                        |
| Preparation and Storage                           | Store at -20 degree C.                                                                              |



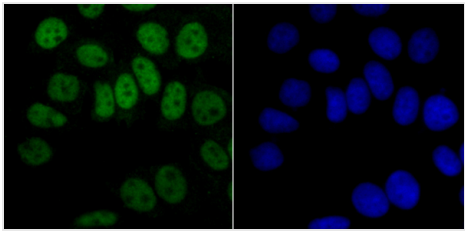
**FCM (Flow Cytometry)**  
Flow cytometric analysis of Jurkat cells with hnRNP A1 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).



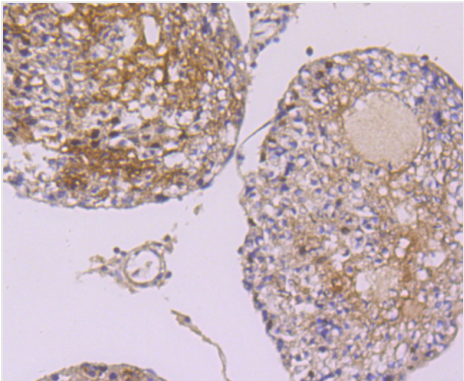
**ICC (Immunocytochemistry)**  
ICC staining hnRNP A1 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



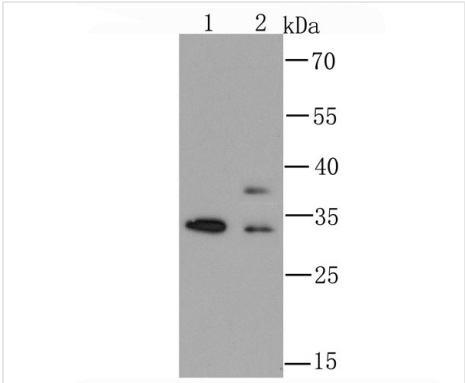
**ICC (Immunocytochemistry)**  
ICC staining hnRNP A1 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



**ICC (Immunocytochemistry)**  
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.



**IHC (Immunohistochemistry)**  
Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-hnRNP A1 antibody. Counter stained with hematoxylin.



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

ADDITIONAL INFORMATION

|                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-HNRNPA1 antibody</b> | 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. |
| <b>Product Categories/Family for anti-HNRNPA1 antibody</b>   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4504445                                                                                                                                                                                                                                                        |
| NCBI GeneID                      | 3178                                                                                                                                                                                                                                                           |
| NCBI Accession #                 | NP_002127.1                                                                                                                                                                                                                                                    |
| NCBI GenBank Nucleotide #        | NM_002136.2                                                                                                                                                                                                                                                    |
| UniProt Accession #              | P09651; Q3MIB7; Q6PJZ7; A8K4Z8                                                                                                                                                                                                                                 |
| Molecular Weight                 | 38,747 Da                                                                                                                                                                                                                                                      |
| NCBI Official Full Name          | heterogeneous nuclear ribonucleoprotein A1 isoform a                                                                                                                                                                                                           |
| NCBI Official Synonym Full Names | heterogeneous nuclear ribonucleoprotein A1                                                                                                                                                                                                                     |
| NCBI Official Symbol             | HNRNPA1                                                                                                                                                                                                                                                        |
| NCBI Official Synonym Symbols    | HNRPA1; HNRPA1L3; hnRNP A1; hnRNP-A1                                                                                                                                                                                                                           |
| NCBI Protein Information         | heterogeneous nuclear ribonucleoprotein A1; hnRNP A1-like 3; hnRNP core protein A1; helix-destabilizing protein; hnRNP core protein A1-like 3; single-strand RNA-binding protein; single-strand DNA-binding protein UP1; nuclear ribonucleoprotein particle A1 |
| UniProt Protein Name             | Heterogeneous nuclear ribonucleoprotein A1                                                                                                                                                                                                                     |
| UniProt Gene Name                | <b>HNRNPA1</b>                                                                                                                                                                                                                                                 |
| UniProt Synonym Gene Names       | HNRPA1; hnRNP A1                                                                                                                                                                                                                                               |
| UniProt Entry Name               | ROA1_HUMAN                                                                                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hnrrnp-a1-antibody-clone-ja39-21-western-blot-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/30352>