

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

hnRNP A1 Rabbit mAb

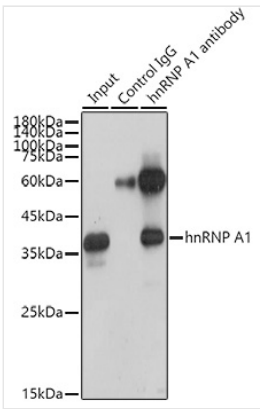
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28461	Rabbit	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Immunoprecipitation, ELISA

PRODUCT SYNONYMS

hnRNP A1; Monoclonal Antibody; hnRNP A1 Rabbit mAb; UP 1; ALS19; ALS20; HNRPA1; IBMPFD3; HNRPA1L3; hnRNP-A1; anti-HNRNPA1 antibody

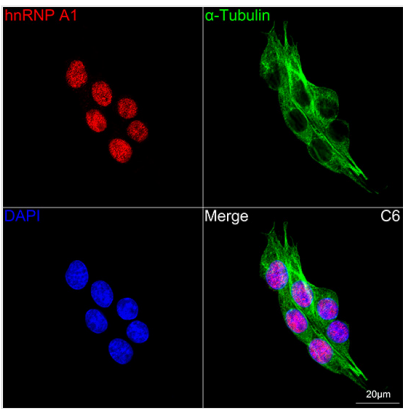
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	DGGYGGGGPG YSGGSRGYGS GGQGYGNQGS GYGGSGSYDS YNNGGGGGFG GGSGSNFGGG GSYNDFGNYN NQSSNFGPMK GGNFGGRSSG PYGGGGQYFA K
Applicable Applications for anti-HNRNPA1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), IP (Immunoprecipitation), ELISA
Application Notes	WB: 1:1000-1:2000 IHC-P: 1:200-1:2000 IF/ICC: 1:200-1:2000 IP: 0.5ug-4ug antibody for 200ug-400ug extracts of whole cells ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 250-350 of human hnRNP A1 (P09651).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



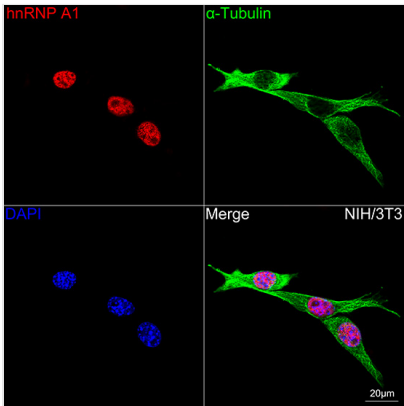
IP (Immunoprecipitation)

Immunoprecipitation analysis of 300 ug extracts of HeLa cells using 3 ug hnRNP A1 antibody (AAA28461). Western blot was performed from the immunoprecipitate using hnRNP A1 antibody (AAA28461) at a dilution of 1:1000.



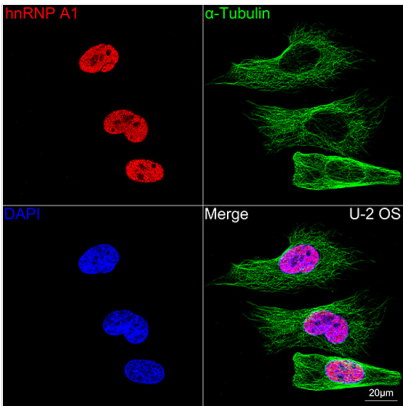
ICC (Immunocytochemistry)

Confocal imaging of C6 cells using hnRNP A1 Rabbit mAb (AAA28461,dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red).The cells were counterstained with ?-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green).DAPI was used for nuclear staining (Blue). Objective: 100x.



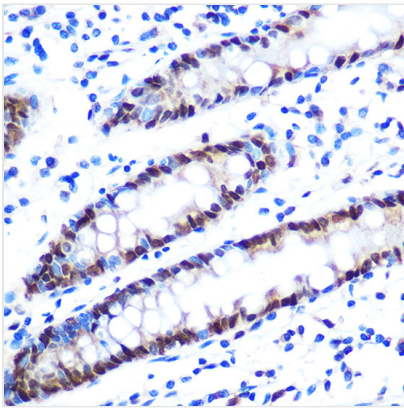
ICC (Immunocytochemistry)

Confocal imaging of NIH/3T3 cells using hnRNP A1 Rabbit mAb (AAA28461,dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red).The cells were counterstained with ?-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green).DAPI was used for nuclear staining (Blue). Objective: 100x.



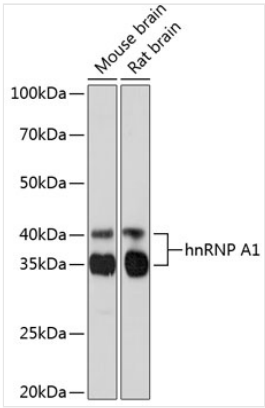
ICC (Immunocytochemistry)

Confocal imaging of U-2 OS cells using hnRNP A1 Rabbit mAb (AAA28461,dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red).The cells were counterstained with ?-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green).DAPI was used for nuclear staining (Blue). Objective: 100x.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human colon using hnRNP A1 Rabbit mAb (AAA28461) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



WB (Western Blot)

Western blot analysis of various lysates using hnRNP A1 Rabbit mAb (AAA28461) at 1?1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 3min.

ADDITIONAL INFORMATION

Related Product Information for anti-HNRNPA1 antibody	This gene encodes a member of a family of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs), which are RNA-binding proteins that associate with pre-mRNAs in the nucleus and influence pre-mRNA processing, as well as other aspects of mRNA metabolism and transport. The protein encoded by this gene is one of the most abundant core proteins of hnRNP complexes and plays a key role in the regulation of alternative splicing. Mutations in this gene have been observed in individuals with amyotrophic lateral sclerosis 20. Multiple alternatively spliced transcript variants have been found. There are numerous pseudogenes of this gene distributed throughout the genome.hnRNP A1 has three isoforms with MW 30 kDa, 34 kDa and 39 kDa.
Product Categories/Family for anti-HNRNPA1 antibody	Epigenetics Nuclear Signaling; RNA Binding; Antibodies

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	Calculated MW: 39kDa Observed MW: 30kDa/34kDa/39kDa
UniProt Protein Name	Heterogeneous nuclear ribonucleoprotein A1
UniProt Gene Name	HNRNPA1
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-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-immunoprecipitation-elisa/28461>