ARG56255
anti-hnRNP A2B1 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes hnRNP A2B1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	hnRNP A2B1
Species	Human
Immunogen	Recombinant protein of Human hnRNP A2B1
Conjugation	Un-conjugated
Alternate Names	SNRPB1; Heterogeneous nuclear ribonucleoproteins A2/B1; HNRNPB1; HNRNPA2; HNRPA2B1; RNPA2; HNRPB1; HNRPA2; IBMPFD2; hnRNP A2/B1

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
IHC-P	1:50 - 1:200
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: PC3

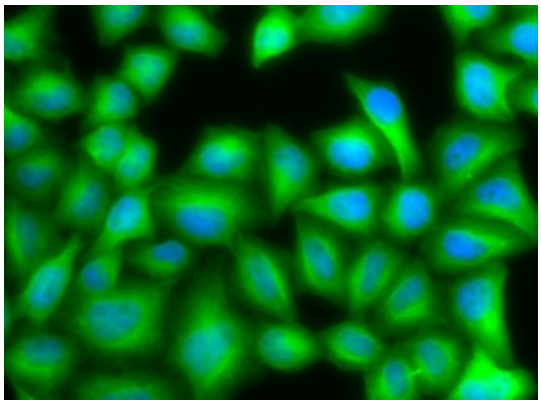
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

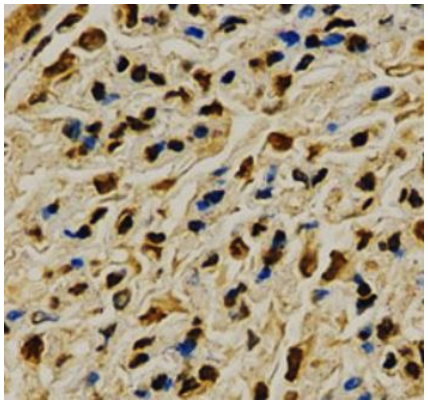
Gene Symbol	HNRNPA2B1
Gene Full Name	heterogeneous nuclear ribonucleoprotein A2/B1
Background	This gene belongs to the A/B subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene has two repeats of quasi-RRM domains that bind to RNAs. This gene has been described to generate two alternatively spliced transcript variants which encode different isoforms. [provided by RefSeq, Jul 2008]
Function	Involved with pre-mRNA processing. Forms complexes (ribonucleosomes) with at least 20 other different hnRNP and heterogeneous nuclear RNA in the nucleus. [UniProt]
Highlight	Related news: m6A reader YTHDF2 in mRNA decay and aggresome formation;
Calculated Mw	37 kDa
PTM	Sumoylated in exosomes, promoting miRNAs-binding. Asymmetric dimethylation at Arg-266 constitutes the major methylation site (By similarity). According to a report, methylation affects subcellular location and promotes nuclear localization (PubMed:10772824). According to another report, methylation at Arg-266 does not influence nucleocytoplasmic shuttling (By similarity).

Images



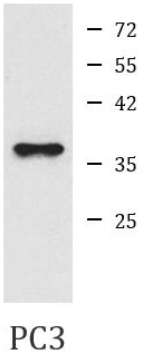
ARG56255 anti-hnRNP A2B1 antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG56255 anti-hnRNP A2B1 antibody. Blue: DAPI for nuclear staining.



ARG56255 anti-hnRNP A2B1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney stained with ARG56255 anti-hnRNP A2B1 antibody at 1:200 dilution.



ARG56255 anti-hnRNP A2B1 antibody WB image

Western blot: PC3 cell lysate stained with ARG56255 anti-hnRNP A2B1 antibody.