

HNRNPA2B1 Antibody

Catalog No: #32193

Package Size: #32193-1 50ul #32193-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

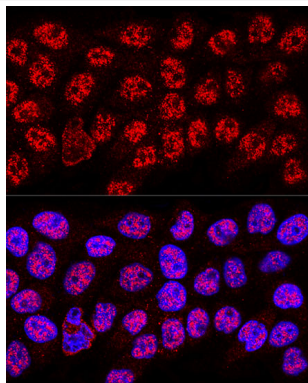
Description

Product Name	HNRNPA2B1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total HNRNPA2B1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human HNRNPA2B1.
Target Name	HNRNPA2B1
Other Names	HNRNPA2B1; DKFZp779B0244; FLJ22720; HNRNPA2; HNRNPB1
Accession No.	Swiss-Prot:P22626NCBI Gene ID:3181
Uniprot	P22626
GeneID	3181;
SDS-PAGE MW	37KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

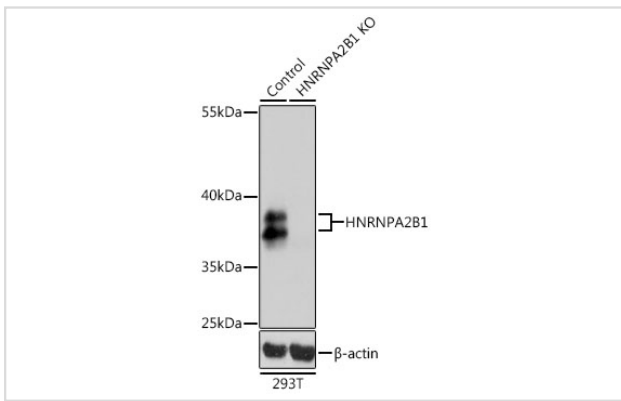
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200 IF □ 1:50 - 1:200

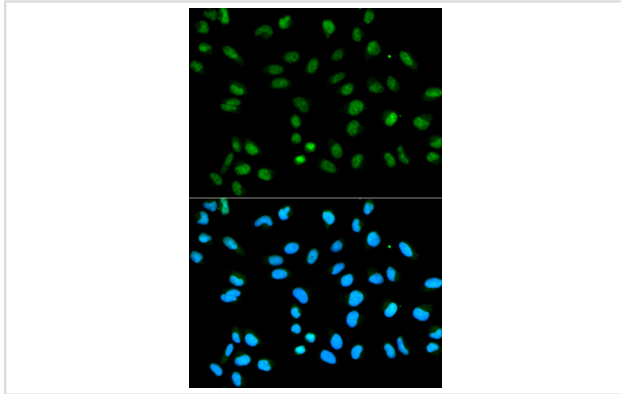
Images



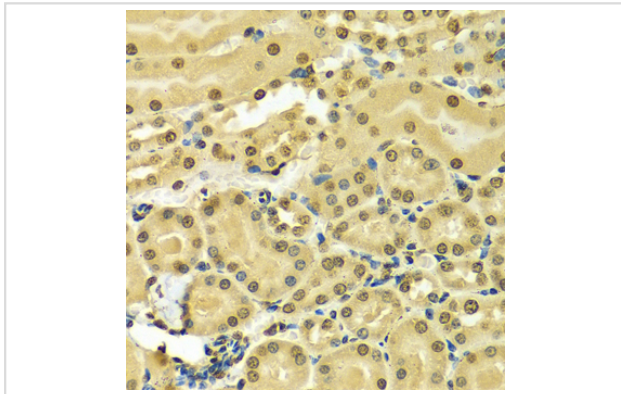
Confocal immunofluorescence analysis of HeLa cells using HNRNPA2B1 Polyclonal at dilution of 1:400. Blue: DAPI for nuclear staining.



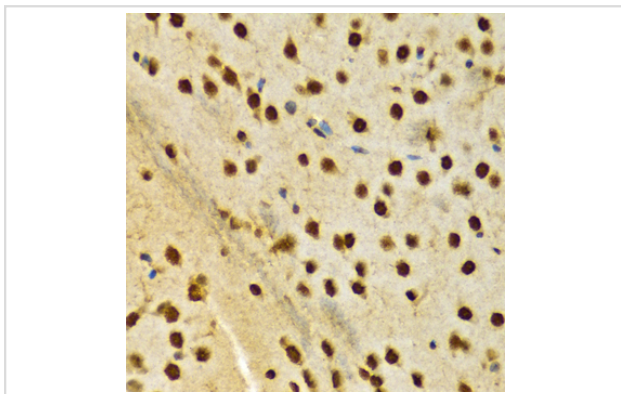
Western blot analysis of extracts from normal (control) and HNRNPA2B1 knockout (KO) 293T cells, using HNRNPA2B1 at 1:1000 dilution.



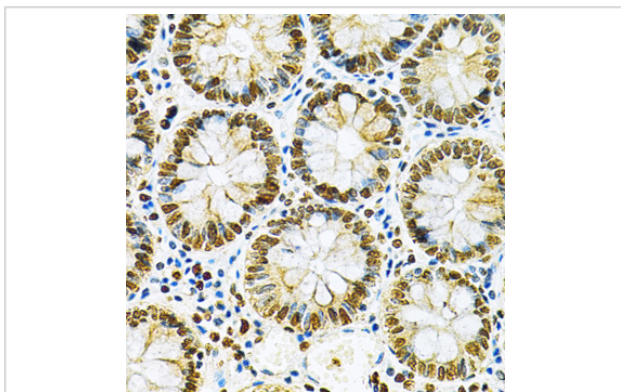
Immunofluorescence analysis of HeLa cells using HNRNPA2B1 . Blue: DAPI for nuclear staining.



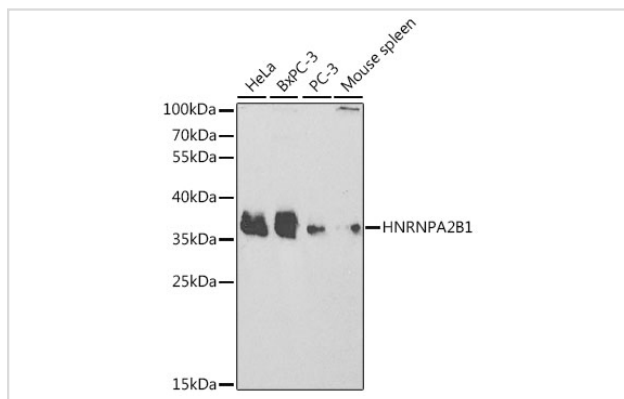
Immunohistochemistry of paraffin-embedded mouse kidney using HNRNPA2B1 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat brain using HNRNPA2B1 at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human colon using HNRNPA2B1 at dilution of 1:200 (40x lens).



Western blot analysis of extracts of various cell lines, using HNRNPA2B1 at 1:1000 dilution.

Background

Heterogeneous nuclear ribonucleoprotein A2/B1 (hnRNP A2/B1) is a member of the hnRNP A/B family of related RNA binding proteins that bind pre-mRNA and are involved in the processing, metabolism and transport of nuclear pre-mRNA transcripts (1). Alternative splicing produces transcripts that encode two homologous hnRNP proteins, hnRNP A2 and hnRNP B1, from a single gene sequence (2). Studies demonstrate hnRNP A2/B1 splicing repression across multiple targets (3,4) and that both proteins can bind and protect telomere repeat sequences from DNase digestion (5,6). Altered expression of hnRNP B1 is seen in several forms of cancer, including squamous cell carcinoma, adenocarcinoma, and various forms of lung cancer (7). Over expression of hnRNP B1 may be associated with inhibition of DNA-PK activity and impaired DNA repair during early stages of cancer development (8). Autoantigens to hnRNP A2/B1 (termed RA33) are associated with rheumatoid arthritis, systemic lupus erythematosus and mixed connective tissue disease (9-11).

Note: This product is for in vitro research use only