

For Research Use Only

# SNRPA Polyclonal antibody

Catalog Number: 10212-1-AP

Featured Product

7 Publications



## Basic Information

### Catalog Number:

10212-1-AP

### Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 313 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0283

### GenBank Accession Number:

BC000405

### GeneID (NCBI):

6626

### UNIPROT ID:

P09012

### Full Name:

small nuclear ribonucleoprotein polypeptide A

### Calculated MW:

31 kDa

### Observed MW:

31 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:8000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:250-1:1000

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, ChIP, RIP

### Species Specificity:

human, mouse

### Cited Species:

human, canine

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : HEK-293 cells, HeLa cells, A431 cells, HepG2 cells, mouse liver tissue

IP : HEK-293 cells,

IHC : human liver cancer tissue, human cervical cancer tissue, human colon tissue, human liver tissue, human stomach cancer tissue

IF/ICC : HepG2 cells,

## Background Information

Heterogeneous nuclear ribonucleoproteins (hnRNPs) constitute a set of polypeptides that contribute to mRNA transcription, premRNA 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. hnRNP A1 functions in the packaging of nascent RNA polymerase II transcripts and participates in a variety of nuclear and cytoplasmic processes that modulate gene expression. The RNA binding characteristics of hnRNP A1 suggest that it can modulate the expression of specific genes.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yusuke Hirata	25449265	Biochem Biophys Res Commun	WB
Xiaoju Li	35814401	Front Oncol	WB
Sikandar Azam	31107149	RNA Biol	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

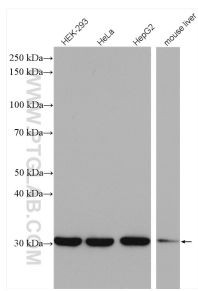
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

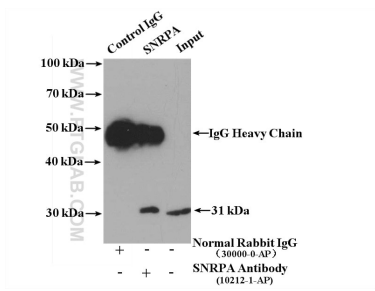
E: proteintech@ptglab.com  
W: ptglab.com

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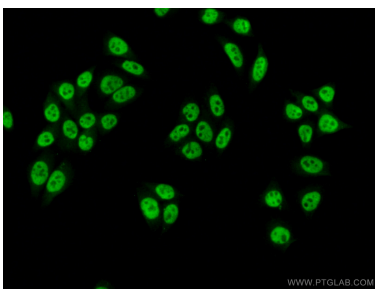
Selected Validation Data



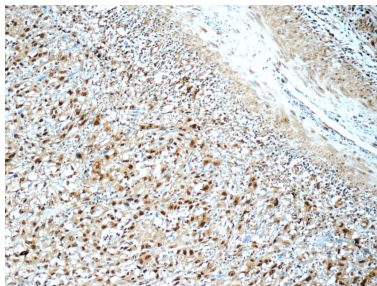
Various lysates were subjected to SDS PAGE followed by western blot with 10212-1-AP (SNRPA antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



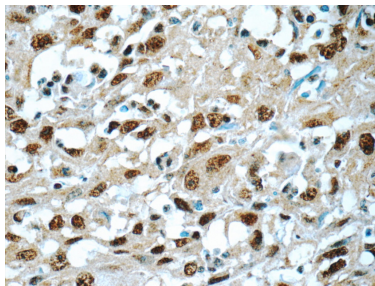
IP result of anti-SNRPA (IP:10212-1-AP, 4ug; Detection:10212-1-AP 1:500) with HEK-293 cells lysate 2000 ug.



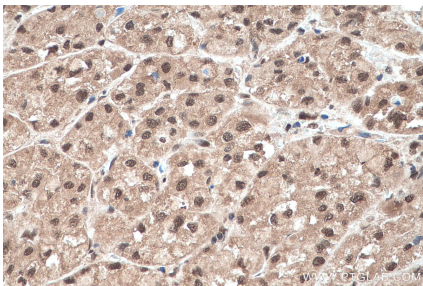
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 10212-1-AP (SNRPA antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 10212-1-AP (SNRPA Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 10212-1-AP (SNRPA Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 10212-1-AP (SNRPA antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).