

For Research Use Only

# SFRS2 Polyclonal antibody

Catalog Number: 20371-1-AP

Featured Product

15 Publications



## Basic Information

### Catalog Number:

20371-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_003016

### GeneID (NCBI):

6427

### UNIPROT ID:

Q01130

### Full Name:

splicing factor, arginine/serine-rich 2

### Calculated MW:

25 kDa

### Observed MW:

25-35 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 1:50-1:500

IF/ICC 1:1500-1:6000

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IF, RIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### Positive Controls:

WB: NIH/3T3 cells, mouse testis tissue, A549 cells, rat brain tissue, HepG2 cells

IP: mouse brain tissue,

IHC: human lung cancer tissue,

IF/ICC: HepG2 cells,

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

## Background Information

SFRS2, also named as PR264 and Splicing component, 35 kDa, belongs to the splicing factor SR family. SFRS2 is necessary for the splicing of pre-mRNA. Some residue of SFRS2 is modified by phosphorylase and acetylase after translation. The molecular weight of modified SFRS2 is 35-40kDa. It is required for formation of the earliest ATP-dependent splicing complex and interacts with spliceosomal components bound to both the 5'- and 3'-splice sites during spliceosome assembly. It also is required for ATP-dependent interactions of both U1 and U2 snRNPs with pre-mRNA. It binds to purine-rich RNA sequences, either 5'-AGSAGAGTA-3' (S=C or G) or 5'-GTTCGAGTA-3'. SFRS2 can bind to beta-globin mRNA and commit it to the splicing pathway. The antibody has no cross reaction to SFRS2B.

## Notable Publications

Author	Pubmed ID	Journal	Application
Indranil Malik	34542927	EMBO Mol Med	WB
Yuhan Chen	29942010	Nat Commun	WB
Obayed Raihan	30125687	Neuroscience	WB

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

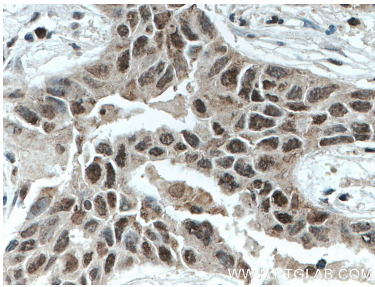
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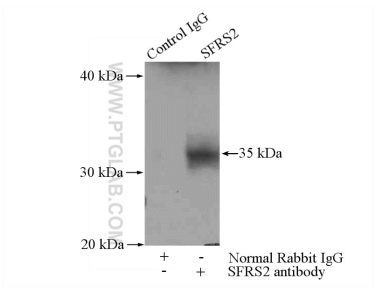
E: proteintech@ptglab.com  
W: ptglab.com

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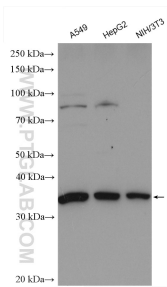
Selected Validation Data



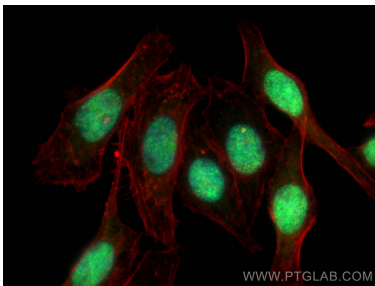
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 20371-1-AP (SFRS2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-SFRS2 (IP:20371-1-AP, 4ug; Detection:20371-1-AP 1:300) with mouse brain tissue lysate 4000ug.



Various lysates were subjected to SDS PAGE followed by western blot with 20371-1-AP (SFRS2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using SFRS2 antibody (20371-1-AP) at dilution of 1:3000 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).