

For Research Use Only

SFRS2 Polyclonal antibody

Catalog Number: 20371-1-AP

Featured Product

15 Publications



Basic Information

Catalog Number:

20371-1-AP

Concentration:

600 ug/ml

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

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

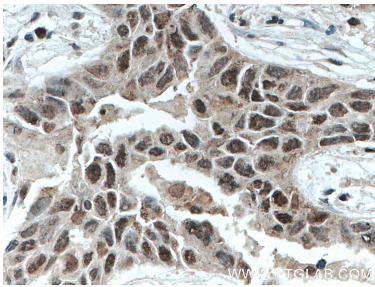
T: 4006900926

E: Proteintech-CN@ptglab.com

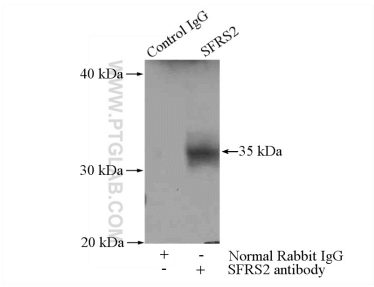
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

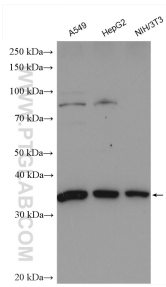
Selected Validation Data



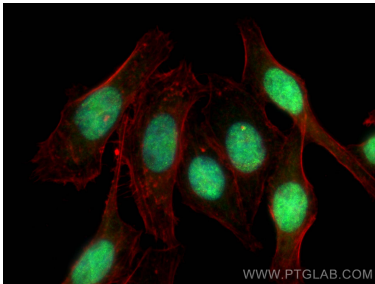
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 20371-1-AP (SFRS2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).