

For Research Use Only

SFRS2 Polyclonal antibody

Catalog Number: 20371-1-AP

7 Publications



Basic Information

Catalog Number: 20371-1-AP	GenBank Accession Number: NM_003016	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 600 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6427	Recommended Dilutions: WB 1:1000-1:8000 IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
Source: Rabbit	Full Name: splicing factor, arginine/serine-rich 2	
Isotype: IgG	Calculated MW: 25 kDa	
	Observed MW: 25-35 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: CoIP, IF, WB	WB: NIH/3T3 cells, mouse testis tissue, A549 cells, rat brain tissue, HepG2 cells
Species Specificity: human, mouse, rat	IP: mouse brain tissue,
Cited Species: human, mouse	IHC: human lung cancer tissue,
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'-GTTTCAGTA-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	CoIP
Yuhan Chen	29942010	Nat Commun	WB
Obayed Raihan	30125687	Neuroscience	WB

Storage

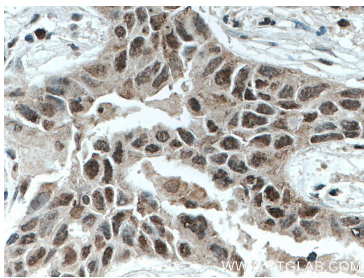
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

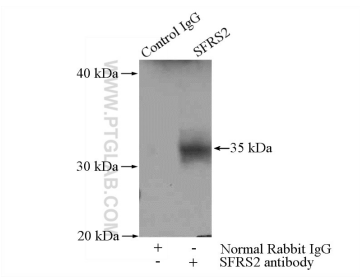
For technical support and original validation data for this product please contact:
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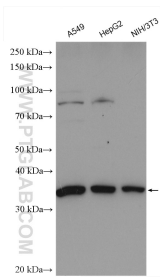
Selected Validation Data



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.