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SFRS2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2800a

Specification

SFRS2 Antibody (N-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q01130
Other Accession	Q6PDU1, Q06A98, Q62093, P30352, Q3MHR5
Reactivity	**Human**
Predicted	**Bovine, Chicken, Mouse, Pig, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**25476**
Antigen Region	**9-39**

SFRS2 Antibody (N-term) - Additional Information

Gene ID 6427

Other Names
Serine/arginine-rich splicing factor 2, Protein PR264, Splicing component, 35 kDa, Splicing factor SC35, SC-35, Splicing factor, arginine/serine-rich 2, SRSF2, SFRS2

Target/Specificity
This SFRS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 9-39 amino acids from the N-terminal region of human SFRS2.

Dilution
WB~~1:1000
IHC-P~~1:50~100

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
SFRS2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SFRS2 Antibody (N-term) - Protein Information

Name SRSF2

Synonyms SFRS2

Function Necessary for the splicing of pre-mRNA. 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. Interacts with other spliceosomal components, via the RS domains, to form a bridge between the 5'- and 3'-splice site binding components, U1 snRNP and U2AF. Binds to purine-rich RNA sequences, either 5'-AGSAGAGTA-3' (S=C or G) or 5'-GTTCGAGTA-3'. Can bind to beta-globin mRNA and commit it to the splicing pathway. The phosphorylated form (by SRPK2) is required for cellular apoptosis in response to cisplatin treatment.

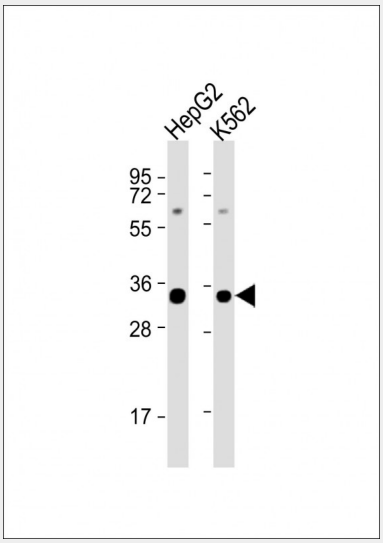
Cellular Location
Nucleus. Nucleus, nucleoplasm. Nucleus speckle. Note=Phosphorylation by SRPK2 provokes its redistribution from the nuclear speckle to nucleoplasm

SFRS2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SFRS2 Antibody (N-term) - Images



All lanes : Anti-SFRS2 Antibody (N-term) at 1:4000 dilution Lane 1: HepG2 whole cell lysate Lane 2: K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 25 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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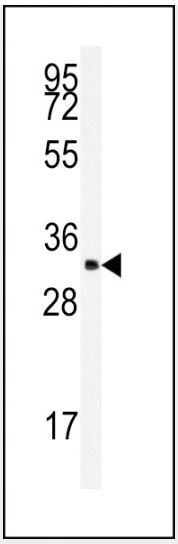
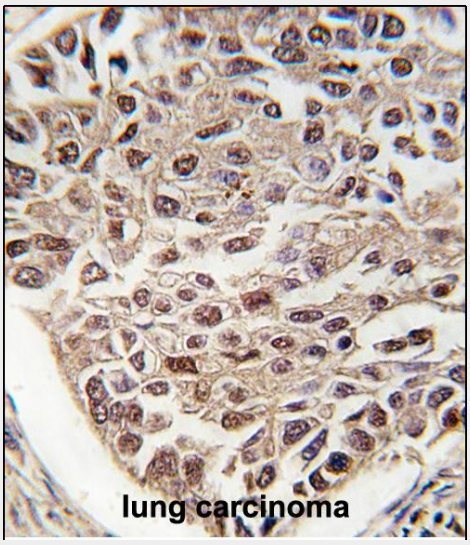


Western blot analysis of anti-SFRS2 Antibody (N-term) (Cat.#AP2800a) in K562 cell line lysates (35ug/lane).SFRS2(arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with SFRS2 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

SFRS2 Antibody (N-term) - Background

SFRS2 is necessary for the splicing of pre-mRNA. The protein 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. And it interacts with other spliceosomal components, via the RS domains, to form a bridge between the 5'- and 3'-splice site binding components, U1 snRNP and U2AF. It binds to purine-rich RNA sequences, either 5'-AGSAGAGTA-3' (S=C or G) or 5'-GTTCGAGTA-3' and can bind to beta-globin mRNA and commit it to the splicing pathway.

SFRS2 Antibody (N-term) - References

Merdzhanova,G., Cell Death Differ. 15 (12), 1815-1823 (2008) Solis,A.S., J. Biol. Chem. 283 (35),

23619-23626 (2008) Donev,R., Mol. Psychiatry 12 (7), 681-690 (2007) Sureau,A., Proc. Natl. Acad. Sci. U.S.A. 89 (24), 11683-11687 (1992)