

**SFRS2 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2800a****Specification**

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**SFRS2 Antibody (N-term) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">Q01130</a>
Other Accession	<a href="#">Q6PDU1</a> , <a href="#">Q06A98</a> , <a href="#">Q62093</a> , <a href="#">P30352</a> , <a href="#">Q3MHR5</a>
Reactivity	<b>Human</b>
Predicted	<b>Bovine, Chicken, Mouse, Pig, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>25476</b>
Antigen Region	<b>9-39</b>

**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~~1:4000  
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

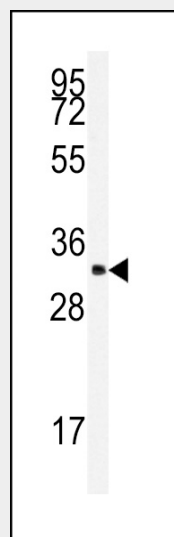
Nucleus. Nucleus, nucleoplasm. Nucleus speckle. Note=Phosphorylation by SRPK2 provokes its redistribution from the nuclear speckle to nucleoplasm

## SFRS2 Antibody (N-term) - Protocols

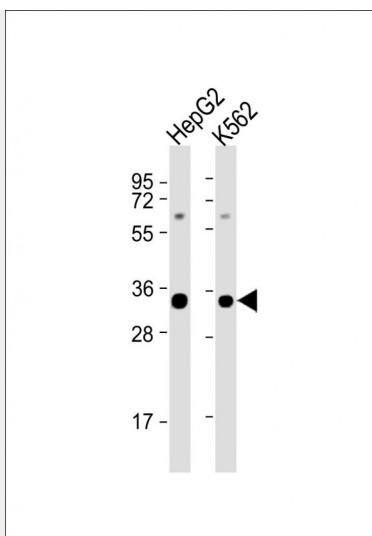
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

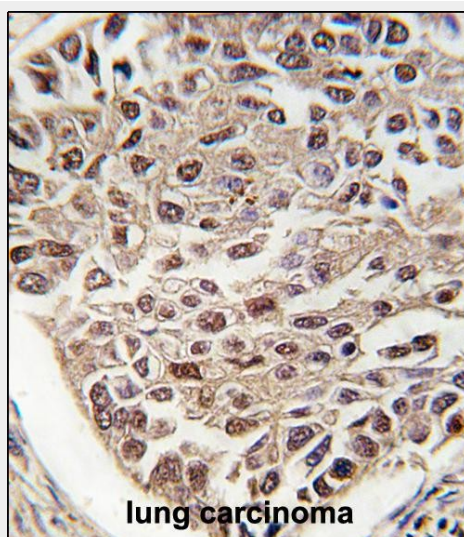
## SFRS2 Antibody (N-term) - Images



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.



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  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 25 kDa Blocking/Dilution buffer: 5% NFD/MTBST.



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)