

**SFRS2 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2800c****Specification**

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**SFRS2 Antibody (Center) - Product Information**

Application	WB,E
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	Human
Predicted	Bovine, Chicken, Mouse, Pig, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	25476
Antigen Region	76-105

**SFRS2 Antibody (Center) - 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 76-105 amino acids from the Central region of human SFRS2.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**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 (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**SFRS2 Antibody (Center) - 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

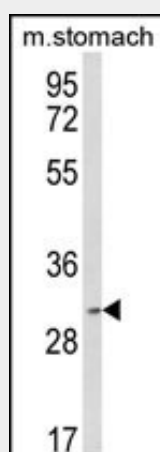
Nucleus. Nucleus, nucleoplasm. Nucleus speckle. Note=Phosphorylation by SRPK2 provokes its redistribution from the nuclear speckle to nucleoplasm

## SFRS2 Antibody (Center) - 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 (Center) - Images



Western blot analysis of SFRS2 Antibody (Center) (Cat. #AP2800c) in mouse stomach tissue lysates (35ug/lane). SFRS2 (arrow) was detected using the purified Pab.

## SFRS2 Antibody (Center) - 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 (Center) - 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)