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SFRS2 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP2800c

Specification

SFRS2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q01130

SFRS2 Antibody (Center) Blocking Peptide - 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
The synthetic peptide sequence used to generate the antibody AP2800c was selected from the Center region of human SFRS2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SFRS2 Antibody (Center) Blocking Peptide - 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.

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

SFRS2 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

SFRS2 Antibody (Center) Blocking Peptide - Images

SFRS2 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - 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)