

ARG66409 anti-SFRS3 / SRSF3 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SFRS3 / SRSF3
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SFRS3 / SRSF3
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 111-160 of Human SFRS3 / SRSF3.
Conjugation	Un-conjugated
Alternate Names	Splicing factor, arginine/serine-rich 3; Serine/arginine-rich splicing factor 3; SFRS3; Pre-mRNA-splicing factor SRP20; SRp20

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	19 kDa, 25 kDa	

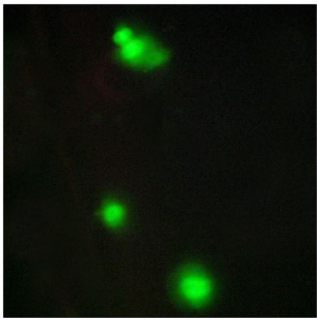
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

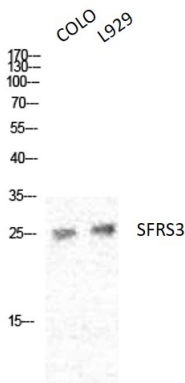
Gene Symbol	SRSF3
Gene Full Name	serine/arginine-rich splicing factor 3
Background	The protein encoded by this gene is a member of the serine/arginine (SR)-rich family of pre-mRNA splicing factors, which constitute part of the spliceosome. Each of these factors contains an RNA recognition motif (RRM) for binding RNA and an RS domain for binding other proteins. The RS domain is rich in serine and arginine residues and facilitates interaction between different SR splicing factors. In addition to being critical for mRNA splicing, the SR proteins have also been shown to be involved in mRNA export from the nucleus and in translation. Two transcript variants, one protein-coding and the other non-coding, have been found for this gene. [provided by RefSeq, Sep 2010]
Function	May be involved in RNA processing in relation with cellular proliferation and/or maturation. May function as export adapter involved in mRNA nuclear export such as of histone H2A. Binds mRNA which is thought to be transferred to the NXF1-NXT1 heterodimer for export (TAP/NXF1 pathway); enhances NXF1-NXT1 RNA-binding activity. RNA-binding is semi-sequence specific. [UniProt]
Calculated Mw	19 kDa
PTM	Phosphorylated by CLK1, CLK2, CLK3 and CLK4. Extensively phosphorylated on serine residues in the RS domain. [UniProt]
Cellular Localization	Nucleus. Nucleus speckle. Cytoplasm. Note=Recruited to nuclear speckles following interaction with YTHDC1. [UniProt]

Images



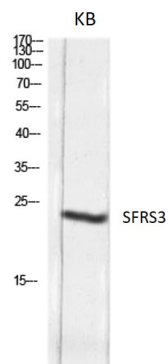
ARG66409 anti-SFRS3 / SRSF3 antibody ICC/IF image

Immunofluorescence: MCF7 cells stained with ARG66409 anti-SFRS3 / SRSF3 antibody. The picture on the right is blocked with the synthetic peptide.



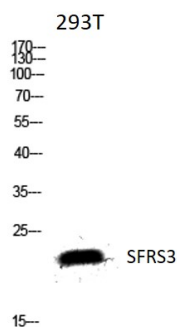
ARG66409 anti-SFRS3 / SRSF3 antibody WB image

Western blot: COLO and L929 cell lysates stained with ARG66409 anti-SFRS3 / SRSF3 antibody at 1:2000 dilution.



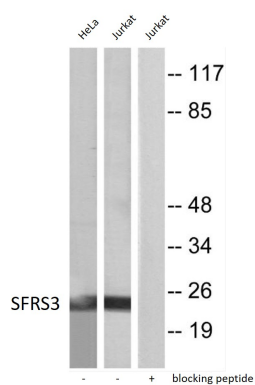
ARG66409 anti-SFRS3 / SRSF3 antibody WB image

Western blot: KB cell lysate stained with ARG66409 anti-SFRS3 / SRSF3 antibody at 1:2000 dilution.



ARG66409 anti-SFRS3 / SRSF3 antibody WB image

Western blot: 293T cell lysate stained with ARG66409 anti-SFRS3 / SRSF3 antibody at 1:2000 dilution.



ARG66409 anti-SFRS3 / SRSF3 antibody WB image

Western blot: HeLa and Jurkat cell lysates stained with ARG66409 anti-SFRS3 / SRSF3 antibody. Lane 3 is blocked with the synthetic peptide.