Product Name: KD-Validated SRSF9 Mouse Monoclonal Antibody
Catalog #: KVAb00646
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 25.5kDa

Antigen Information

Gene Name	SRSF9
Alternative Names	SRSF9; Serine And Arginine Rich Splicing Factor 9; Splicing Factor, Arginine/Serine-Rich 9; Serine/Arginine-Rich Splicing Factor 9; SRp30c; SFRS9; Pre-MRNA-Splicing Factor SRp30C; SR Splicing Factor 9; SRP30C
Gene ID	8683.0
SwissProt ID	Q13242
Immunogen	Recombinant protein of human SRSF9

Background

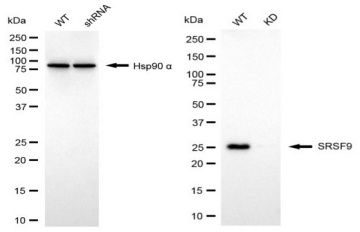
The protein encoded by this gene is a member of the serine/arginine (SR)-rich family of pre-mRNA splicing factors, which constitute part of the spliceosome. Each of these factors contains an RNA recognition motif (RRM) for binding RNA and an RS

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 pseudogenes, one on chromosome 15 and the other on chromosome 21, have been found for this gene. [provided by RefSeq, Sep 2010]

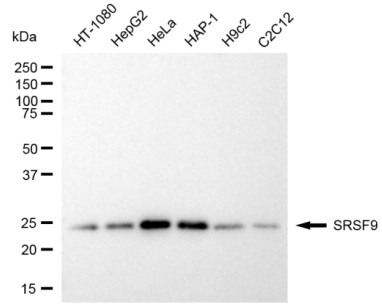
Research Area

Epigenetics and Nuclear Signaling

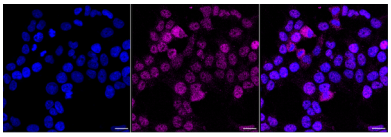
Image Data



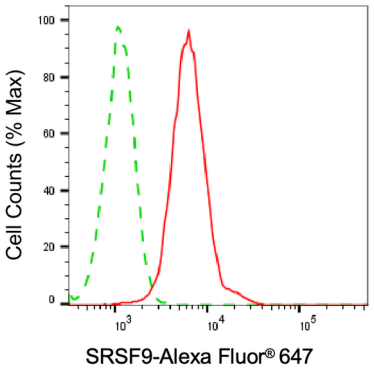
Western blotting analysis using SRSF9 antibody (KVAb00646). SRSF9 expression in wild type (WT) and SRSF9 knockdown (KD) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with SRSF9 antibody (KVAb00646, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using SRSF9 antibody (KVAb00646). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SRSF9 antibody (KVAb00646, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with SRSF9 antibody (KVAb00646, 1:1,000) . Nuclei were stained blue with DAPI; SRSF9 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and Smart Gain： Low. Scale bar, 20 µm.



Flow cytometric analysis of SRSF9 expression in HeLa cells using SRSF9 antibody (KVAb00646, 1:2,000). Green, isotype control; red, SRSF9.