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SFRS9 Rabbit pAb

Catalog # AP97987

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q13242
Other Accession	Q13242
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25542
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SFRS9
Epitope Specificity	121-221/221
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the splicing factor SR family. Contains 2 RRM (RNA recognition motif) domains.
Post-translational modifications	Extensively phosphorylated on serine residues in the RS domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	8683
Other Names	SFRS9; SRp30c; 25kDa; 2610029M16Rik; SRSF9_HUMAN; SRSF9; Pre-mRNA-splicing factor SRp30C; Splicing factor, arginine/serine-rich 9; SRSF9_MOUSE; SRSF9_RAT; serine and arginine rich splicing factor 9; serine/arginine-rich splicing factor 9; SR splicing factor 9
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SRSF9
Synonyms	SFRS9, SRP30C
Function	Plays a role in constitutive splicing and can modulate the selection of alternative splice sites. Represses the splicing of MAPT/Tau exon 10.
Cellular Location	Nucleus. Note=Cellular stresses such as heat shock may induce localization to discrete nuclear bodies termed SAM68 nuclear bodies (SNBs), HAP bodies, or stress bodies. Numerous splicing factors including SRSF1/SFRS1/SF2, SRSF7/SFRS7, SAFB and KHDRBS1/SAM68 accumulate at these structures, which may participate in the post- transcriptional regulation of mRNAs in stressed cells
Tissue Location	Expressed at high levels in the heart, kidney, pancreas and placenta, and at lower levels in the brain, liver, lung and skeletal muscle.

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