



ASF/SF2 mouse mAb

Catalog No	YP-mAb-18287
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SRSF1 ASF SF2 SF2P33 SFRS1 OK/SW-cl.3
Immunogen	Synthesized peptide derived from human ASF/SF2
Specificity	This antibody detects endogenous levels of ASF/SF2 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SFRS1;pre-mRNA-splicing factor SF2;P33 subunit;OK/SW-cl.3;ASF-1;ASF 1; SRSF1;SRSF1 ASF SF2 SF2P33 SFRS1 OK/SW-cl.3;Serine/arginine-rich splicing factor 1 (Alternative-splicing factor 1) (ASF-1) (Splicing factor;arginine/serine-rich 1) (pre-mRNA-splicing factor SF2;P33 subunit); arginine/serine-rich 1) (pre-mRNA-splicing factor SF2; P33 subunit)
Observed Band	28 kDa
Calculated Molecular Weight	248 aa, 28 kDa
Cell Pathway	Cytoplasm . Nucleus speckle . In nuclear speckles. Shuttles between the nucleus and the cytoplasm (PubMed:12215544, PubMed:20308322, PubMed:9420331, PubMed:24449914). Nuclear import is mediated via interaction with TNPO3 (PubMed:24449914). .
Tissue Specificity	
Function	Plays a role in preventing exon skipping, ensuring the accuracy of splicing and regulating alternative splicing. 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. Can stimulate binding of U1 snRNP to a 5'-splice site-containing pre-mRNA. Binds to purine-rich RNA sequences, either the octamer, 5'-RGAAGAAC-3' (r=A or G) or the decamers, AGGACAGAGC/



AGGACGAAGC. Binds preferentially to the 5'-CGAGGCG-3' motif in vitro. Three copies of the octamer constitute a powerful splicing enhancer in vitro, the ASF/SF2 splicing enhancer (ASE) which can specifically activate ASE-dependent splicing. Isoform ASF-2 and isoform ASF-3 act as splicing repressors. May function as export adapter involved in mRNA nuclear export through the TAP/NXF1 pathway.

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images