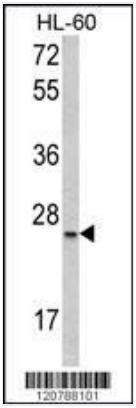
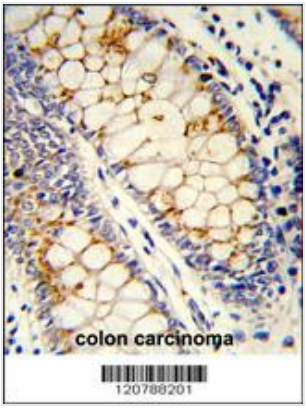
SFRS1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

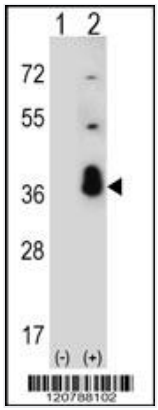
Product Name	SFRS1, Polyclonal Antibody
Full Product Name	SFRS1, CT (Splicing Factor, Arginine/Serine-rich 1, pre-mRNA-splicing Factor SF2, P33 Subunit, Alternative-splicing Factor 1, ASF-1, OK/SW-cl.3, SF2P33, SF2, ASF) (PE)
Product Gene Name	anti-SFRS1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human SFRS1.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	29.9 kDa (268aa)
OMIM	600812
3D Structure	ModBase 3D Structure for Q07955
Immunogen	Synthetic peptide selected from the C-terminal region of human SFRS1 (KLH).
Conjugate	PE
Note	Preservative Free
Product Categories/Family for anti-SFRS1 antibody	Antibodies; Splicing Factors
Applications Tested/Suitable for anti-SFRS1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-SFRS1 antibody	WB: 1:50-1:100 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-SFRS1 antibody	MBS6500523 is an antibody targeting SFRS1. Also known as SFRS1, CT (Splicing Factor, Arginine/Serine-rich 1, pre-mRNA-splicing Factor SF2, P33 Subunit, Alternative-splicing Factor 1, ASF-1, OK/SW-cl.3, SF2P33, SF2, ASF) (PE). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-SFRS1 antibody	1. Sugiyama, N., et.al., Mol. Cell Proteomics 6(6), 1103-1109 (2007).
Other Notes	Small volumes of anti-SFRS1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



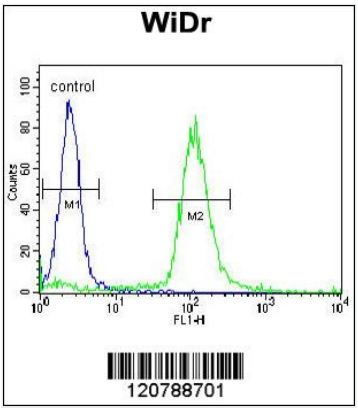
Western Blot (WB) of anti-SFRS1 antibody
Western blot analysis of SFRS1 Antibody (C-term) in HL-60 cell line lysates (35ug/lane). SFRS1 (arrow) was detected using the purified Pab.



Immunohistochemistry (IHC) of anti-SFRS1 antibody
Formalin-fixed and paraffin-embedded human colon carcinoma reacted with SFRS1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western Blot (WB) of anti-SFRS1 antibody
Western blot analysis of SFRS1 (arrow) using rabbit polyclonal SFRS1 Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the SFRS1 gene.



Flow Cytometry (FC/FACS) of anti-SFRS1 antibody
SFRS1 Antibody (C-term) flow cytometric analysis of WiDr cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SFRS1. It may not necessarily be applicable to this product.

NCBI GI #	5902076
NCBI GeneID	6426
NCBI Accession #	NP_008855
UniProt Primary Accession #	Q07955
UniProt Secondary Accession #	Q13809; B2R6Z7; D3DTZ3
UniProt Related Accession #	Q07955
GenBank Nucleotide #	NM_006924.4
NCBI Official Full Name	serine/arginine-rich splicing factor 1 isoform 1
NCBI Official Synonym Full Names	serine and arginine rich splicing factor 1
NCBI Official Symbol	SRSF1
NCBI Official Synonym Symbols	ASF; SF2; SFRS1; SF2p33; SRp30a
UniProt Protein Name	Serine/arginine-rich splicing factor 1

UniProt Synonym Protein Names	Alternative-splicing factor 1; ASF-1; Splicing factor, arginine/serine-rich 1; pre-mRNA-splicing factor SF2, P33 subunit
Protein Family	PC4 and SFRS1-interacting protein
UniProt Gene Name	SRSF1
UniProt Synonym Gene Names	ASF; SF2; SF2P33; SFRS1; ASF-1
UniProt Entry Name	SRSF1_HUMAN
NCBI Protein Information	serine/arginine-rich splicing factor 1
NCBI Summary for SFRS1	This gene encodes a member of the arginine/serine-rich splicing factor protein family. The encoded protein can either activate or repress splicing, depending on its phosphorylation state and its interaction partners. Multiple transcript variants have been found for this gene. There is a pseudogene of this gene on chromosome 13. [provided by RefSeq, Jun 2014]
UniProt Comments for SFRS1	SF2: a serine-arginine-rich splicing regulatory protein. 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. Extensively phosphorylated on serine residues in the serine-arginine rich region. Three splice variant isoforms have been described. ASF/SF2 splicing enhancer (ASE) which can specifically activate ASE-dependent splicing. Isoform ASF-2 and isoform ASF-3 act as splicing repressors. Protein type: RNA-binding; RNA splicing; Spliceosome Chromosomal Location of Human Ortholog: 17q22 Cellular Component: nucleoplasm; cytoplasm; nuclear speck; nucleus Molecular Function: mRNA binding; protein binding; RS domain binding; RNA binding; nucleotide binding Biological Process: transcription from RNA polymerase II promoter; in utero embryonic development; RNA splicing; regulation of mRNA stability; regulation of translation; nuclear mRNA splicing, via spliceosome; nuclear mRNA 5'-splice site recognition; mRNA splice site selection; regulation of nuclear mRNA splicing, via spliceosome; mRNA export from nucleus; regulation of transcription, DNA-dependent; gene expression; mRNA 3'-end processing; mRNA processing; termination of RNA polymerase II transcription; cardiac muscle contraction
Research Articles on SFRS1	**1.** It has been proposed that SF2/ASF has a protective role against JC virus reactivation in multiple sclerosis patients.
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