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Datasheet for ABIN2779013 anti-SRSF1 antibody (C-Term)

3 Images

1 Publication



Overview

Quantity:	100 µL
Target:	SRSF1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Dog, Cow, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SRSF1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human SFRS1
Sequence:	EFVRKEDMTY AVRKLDNTKF RSHEGETAYI RVKVDGPRSP SYGRSRSRSR
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against SFRS1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	SRSF1

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Target Details	
Alternative Name:	SFRS1 (SRSF1 Products)
Background:	SFRS1 is a member of the arginine/serine-rich splicing factor protein family, and functions in
	both constitutive and alternative pre-mRNA splicing. The protein binds to pre-mRNA transcripts
	and components of the spliceosome, and can either activate or repress splicing depending on
	the location of the pre-mRNA binding site. The protein's ability to activate splicing is regulated
	by phosphorylation and interactions with other splicing factor associated proteins. Multiple
	transcript variants encoding different isoforms have been found for this gene.Alternative mRNA
	splicing plays an important role in development and differentiation, many transcripts are spliced
	differently in distinct cell types and tissues. Both constitutive and alternative splicing occurs on
	spliceosomes, which are complex particles composed of small nuclear ribonucleoproteins
	(snRNPs) and non-snRNP proteins. The SR family of non-snRNP splicing factors is
	characterized by the presence of an RNA recognition motif and a serine- and arginine-rich (SR)
	domain. SR proteins are required at early stages of spliceosome assembly, have distinct but
	overlapping specificities for different pre-mRNAs, and can alter splice site choice, suggesting
	that they may be involved in the regulation of alternative splicing in vivo. Two of the SR proteins,
	ASF/SF2 (SFRS1) and SC35 (SFRS2, MIM 600813), have been extensively
	characterized.Alternative mRNA splicing plays an important role in development and
	differentiation, many transcripts are spliced differently in distinct cell types and tissues. Both
	constitutive and alternative splicing occurs on spliceosomes, which are complex particles
	composed of small nuclear ribonucleoproteins (snRNPs) and non-snRNP proteins. The SR
	family of non-snRNP splicing factors is characterized by the presence of an RNA recognition
	motif and a serine- and arginine-rich (SR) domain. SR proteins are required at early stages of
	spliceosome assembly, have distinct but overlapping specificities for different pre-mRNAs, and
	can alter splice site choice, suggesting that they may be involved in the regulation of alternative
	splicing in vivo. Two of the SR proteins, ASF/SF2 (SFRS1) and SC35 (SFRS2, MIM 600813),
	have been extensively characterized (Bermingham et al., 1995).[supplied by OMIM].
	Alias Symbols: ASF, SF2, SFRS1, SF2p33, SRp30a, SRSF1
	Protein Interaction Partner: TRAF3IP2, HUWE1, SPRTN, STAU1, UBC, MDM2, ZBTB1, RNF2,
	EZH2, EED, SUZ12, PARK2, SRPK2, SRPK1, SRPK3, FBX06, YWHAE, U2AF2, PAN2, MPG, CIR1,
	FN1, CDK6, HNRNPA0, RNPS1, SRSF10, NXF1, PRPF4, BCL10, U2AF1, SRSF4, MAGOH,
	SMURF1, EIF4A3, ESR1, ECT2, BRCA1, BARD1
	Protein Size: 248
Molecular Weight:	27 kDa
Gene ID:	6426

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Target Details	
NCBI Accession:	NM_006924, NP_008855
UniProt:	Q07955
Pathways:	Ribonucleoprotein Complex Subunit Organization
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 248 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Publications	
Product cited in:	Li, Xia, Huang, Chen, Su, Li, Wang, Ding, Shao: "A strategy to rapidly identify the functional targets of microRNAs by combining bioinformatics and mRNA cytoplasmic/nucleic ratios in

culture cells." in: FEBS letters, Vol. 584, Issue 14, pp. 3198-202, (2010) (PubMed).

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Western Blotting

Image 1. WB Suggested Anti-SFRS1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: HepG2 cell Iysate There is BioGPS gene expression data showing that SRSF1 is expressed in HepG2

Western Blotting

Image 2. WB Suggested Anti-SFRS1 Antibody Titration: 0.2-1 μg/mL ELISA Titer: 1:.2500 Positive Control: HepG2 cell lysate There is BioGPS gene expression data showing that SRSF1 is expressed in HepG2

Immunohistochemistry

Image 3. Rabbit Anti-SRSF1 Antibody Formalin Fixed Paraffin Embedded Tissue: Human heart Tissue Observed Staining: Nucleus Primary Antibody Concentration: 1:100 Other Working Concentrations: N/A Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec

