Datasheet for ABIN2779014

anti-SRSF1 antibody (Middle Region)

2 Images

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Overview

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

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human SFRS1
Sequence:	GVVEFVRKED MTYAVRKLDN TKFRSHEGET AYIRVKVDGP RSPSYGRSRS
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 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:	Protein A purified

Target Details

Target:	SRSF1

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 (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, FBXO6, 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
NCBI Accession:	NM_006924, NP_008855
UniProt:	Q07955
Pathways:	Ribonucleoprotein Complex Subunit Organization

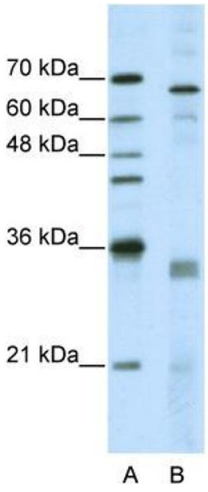
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 248 AA
Restrictions:	For Research Use only

Handling

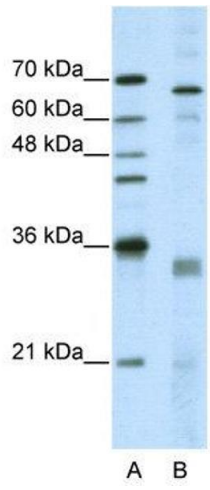
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained 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.

Images



Western Blotting

Image 1. WB Suggested Anti-SFRS1 Antibody Titration: 5.0ug/ml ELISA Titer: 1:312500 Positive Control: HepG2 cell lysate There is BioGPS gene expression data showing that SRSF1 is expressed in HepG2



Western Blotting

Image 2. WB Suggested Anti-SFRS1

Antibody Titration: 5.0 µg/mL ELISA Titer: 1:.12500

Positive Control: HepG2 cell lysate

There is BioGPS gene expression data showing that SRSF1 is expressed in HepG2