

Rabbit SFRS2 Polyclonal Antibody | anti-SRSF2 antibody

SFRS2 Antibody (N-term)

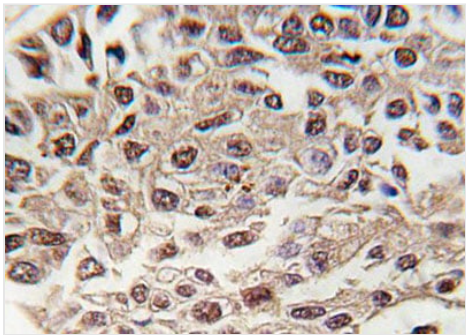
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290045	Rabbit	Human (Predicted Reactivity: Bovine, Chicken, Mouse, Pig, Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

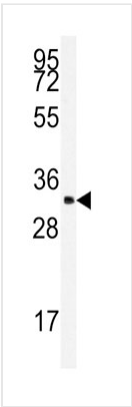
SFRS2; Polyclonal Antibody; SFRS2 Antibody (N-term); Serine/arginine-rich splicing factor 2; Protein PR264; Splicing component; 35 kDa; Splicing factor SC35; SC-35; Splicing factor; arginine/serine-rich 2; SRSF2; anti-SRSF2 antibody

PRODUCT SPECIFICATIONS

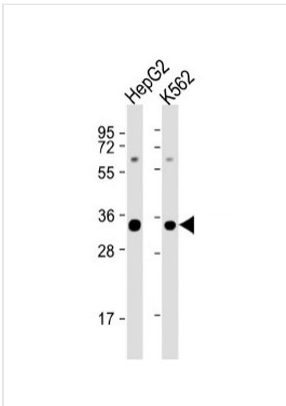
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Chicken, Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SFRS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 9-39 amino acids from the N-terminal region of human SFRS2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Applicable Applications for anti-SRSF2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Necessary for the splicing of pre-mRNA. It is required for formation of the earliest ATP-dependent splicing complex and interacts with spliceosomal components bound to both the 5'- and 3'-splice sites during spliceosome assembly. It also is required for ATP-dependent interactions of both U1 and U2 snRNPs with pre-mRNA. 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. Binds to purine-rich RNA sequences, either 5'-AGSAGAGTA-3' (S=C or G) or 5'-GTTTCGAGTA-3'. Can bind to beta-globin mRNA and commit it to the splicing pathway. The phosphorylated form (by SRPK2) is required for cellular apoptosis in response to cisplatin treatment.
Cellular Location	Nucleus. Nucleus, nucleoplasm. Nucleus speckle. Note=Phosphorylation by SRPK2 provokes its redistribution from the nuclear speckle to nucleoplasm.
Antigen Region	9-39
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with SFRS2 antibody (N-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.



WB (Western Blot)
Western blot analysis of anti-SFRS2 Antibody (N-term) (AAA290045) in K562 cell line lysates (35ug/lane).SFRS2(arrow) was detected using the purified Pab.



WB (Western Blot)
All lanes : Anti-SFRS2 Antibody (N-term) at 1:4000 dilution Lane 1: HepG2 whole cell lysate
Lane 2: K562 whole cell lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 25 kDa
Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-SRSF2 antibody	SFRS2 is necessary for the splicing of pre-mRNA. The protein is required for formation of the earliest ATP-dependent splicing complex and interacts with spliceosomal components bound to both the 5'- and 3'-splice sites during spliceosome assembly. It also is required for ATP-dependent interactions of both U1 and U2 snRNPs with pre-mRNA. And it 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. It binds to purine-rich RNA sequences, either 5'-AGSAGAGTA-3' (S=C or G) or 5'-GTTCGAGTA-3' and can bind to beta-globin mRNA and commit it to the splicing pathway.
References	Merdzhanova,G., Cell Death Differ. 15 (12), 1815-1823 (2008) Solis,A.S., J. Biol. Chem. 283 (35), 23619-23626 (2008) Donev,R., Mol. Psychiatry 12 (7), 681-690 (2007) Sureau,A., Proc. Natl. Acad. Sci. U.S.A. 89 (24), 11683-11687 (1992)

NCBI AND UNIPROT INFORMATION

NCBI GI #	306482646
NCBI GeneID	6427
NCBI Accession #	NP_001182356.1; NP_003007.2
NCBI GenBank Nucleotide #	NM_001195427.1
UniProt Accession #	Q01130; B3KWD5; B4DN89; H0YG49

Molecular Weight	25476
NCBI Official Full Name	serine/arginine-rich splicing factor 2
NCBI Official Synonym Full Names	serine/arginine-rich splicing factor 2
NCBI Official Symbol	SRSF2
NCBI Official Synonym Symbols	SC35; PR264; SC-35; SFRS2; SFRS2A; SRp30b
NCBI Protein Information	serine/arginine-rich splicing factor 2
UniProt Protein Name	Serine/arginine-rich splicing factor 2
UniProt Gene Name	SRSF2
UniProt Synonym Gene Names	SFRS2; SC-35
UniProt Entry Name	SRSF2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sfrs2-antibody-immunohistochemistry-western-blot-elisa/290045>