

Rabbit SC35 Polyclonal Antibody | anti-SRSF2 antibody

SC35 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31166	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Dog(100%), Chicken(100%), Xenopus(86%)	Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

SC35; Polyclonal Antibody; SC35 Antibody; 35 kDa; arginine/serine-rich 2; PR264; Protein PR264; SC 35; SC-35; Serine/arginine-rich splicing factor 2; SFRS 2; SFRS2; SFRS2A; Splicing component 35 kDa; Splicing component; Splicing factor; Splicing factor arginine/serine rich 2; Splicing factor SC35; Splicing speckle; Splicing speckles; SR splicing factor 2; SRp30b; SRSF2; SRSF2_HUMAN; anti-SRSF2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Dog(100%), Chicken(100%), Xenopus(86%)
Clonality	Polyclonal
Isotype	IgG
Specificity	SC35 Antibody detects endogenous levels of total SC35.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	221
Applicable Applications for anti-SRSF2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	IF: 1:100-1:500 ICC: 1:100-1:500 WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human SC35, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



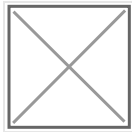
IF (Immunofluorescence)

AAA31166 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31166 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry-Paraffin)

AAA31166 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31166 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31166 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31166 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31166 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SRSF2 antibody

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.

Post Translational Modifications: Extensively phosphorylated on serine residues in the RS domain. Phosphorylated by SRPK2 and this causes its redistribution from the nuclear speckle to nucleoplasm and controls cell fate decision in response to cisplatin treatment. KAT5/TIP60 inhibits its phosphorylation by preventing SRPK2 nuclear translocation. Acetylation on Lys-52 by KAT5/TIP60 promotes its proteasomal degradation. This effect is counterbalanced by HDAC6, which positively controls SRSF2 protein level by deacetylating it and preventing its proteasomal degradation.

Subcellular Location: Nucleus. Nucleus>Nucleoplasm. Nucleus speckle. Note: Phosphorylation by SRPK2 provokes its redistribution from the nuclear speckle to nucleoplasm.

Subunit Structure: Interacts with BRDT (By similarity). In vitro, self-associates and binds SRSF1/SFRS1 (ASF/SF2), SNRNP70 and U2AF1 but not U2AF2. Binds SREK1/SFRS12. Interacts with CCNL1 and CCNL2. Interacts with SCAF11. Interacts with ZRSR2/U2AF1-RS2. Interacts with CCDC55 (via C-terminus).

Similarity: Belongs to the splicing factor SR family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	60416437
NCBI GeneID	6427
UniProt Accession #	Q01130
Molecular Weight	Observed Molecular Weight: (Observed)25kD. Predicted Molecular Weight: (Calculated)25kDa.
NCBI Official Full Name	Serine/arginine-rich splicing factor 2
NCBI Official Synonym Full Names	serine and 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/sc35-antibody-immunofluorescence-immunocytochemistry-elisa/31166>