



Rabbit Anti-SRRM1 antibody

SL8066R

Product Name:	SRRM1
Chinese Name:	丝氨酸/精氨酸相关核基质蛋白1抗体
Alias:	Ser/Arg related nuclear matrix protein; Ser/Arg-related nuclear matrix protein; Serine/arginine repetitive matrix protein 1; SR related nuclear matrix protein of 160 kDa; SR-related nuclear matrix protein of 160 kDa; SRm160; Srm1; SRRM1 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	102kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SRRM1:21-120/904
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Part of pre- and post-splicing multiprotein mRNP complexes. Involved in numerous pre-mRNA processing events. Promotes constitutive and exonic splicing enhancer (ESE)-dependent splicing activation by bridging together sequence-specific (SR family proteins, SFRS4, SFRS5 and TRA2B/SFRS10) and basal snRNP (SNRP70 and

SNRPA1) factors of the spliceosome. Stimulates mRNA 3'-end cleavage independently of the formation of an exon junction complex. Binds both pre-mRNA and spliced mRNA 20-25 nt upstream of exon-exon junctions. Binds RNA and DNA with low sequence specificity and has similar preference for either double- or single-stranded nucleic acid substrates.

Function:

Part of pre- and post-splicing multiprotein mRNP complexes. Involved in numerous pre-mRNA processing events. Promotes constitutive and exonic splicing enhancer (ESE)-dependent splicing activation by bridging together sequence-specific (SR family proteins, SFRS4, SFRS5 and TRA2B/SFRS10) and basal snRNP (SNRP70 and SNRPA1) factors of the spliceosome. Stimulates mRNA 3'-end cleavage independently of the formation of an exon junction complex. Binds both pre-mRNA and spliced mRNA 20-25 nt upstream of exon-exon junctions. Binds RNA and DNA with low sequence specificity and has similar preference for either double- or single-stranded nucleic acid substrates.

Subunit:

Identified in the spliceosome C complex. Found in pre-mRNA splicing complex with SFRS4, SFRS5, SNRP70, SNRPA1, SRRM1 and SRRM2. Found in a pre-mRNA exonic splicing enhancer (ESE) complex with SNRP70, SNRPA1, SRRM1 and TRA2B/SFRS10. Found in an mRNA splicing-dependent exon junction complex (EJC) with DEK, PRPF8, NCBP1, RBM8A, RNPS1, SRRM1 and ALYREF/THOC4. Interacts with BAT1, CPSF1, RBM8A, RNPS1, and ALYREF/THOC4. Seems to be a component of RNA export complexes that are released from speckles in an ATP-dependent manner.

Subcellular Location:

Nucleus matrix. Nucleus speckle.

Similarity:

Belongs to the splicing factor SR family.
Contains 1 PWI domain.

SWISS:

Q8IYB3

Gene ID:

10250

Database links:

[Entrez Gene: 10250](#) Human

[Entrez Gene: 51796](#) Mouse

[Entrez Gene: 100173713](#) Orangutan

[Omid: 605975](#)Human

[SwissProt: Q8IYB3](#)Human

[SwissProt: Q52KI8](#)Mouse

[SwissProt: Q5R5Q2](#)Orangutan

[Unigene: 18192](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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