

SRSF3 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51533

Product Information

Application	WB, ICC, IHC-P
Primary Accession	P84103
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19330

Additional Information

Gene ID	6428
Other Names	Serine/arginine-rich splicing factor 3, Pre-mRNA-splicing factor SRP20, Splicing factor, arginine/serine-rich 3, SRSF3, SFRS3, SRP20
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human SRSF3. The exact sequence is proprietary.
Dilution	WB~~1:1000 ICC~~N/A IHC-P~~N/A
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	SRSF3
Synonyms	SFRS3, SRP20
Function	Splicing factor, which binds the consensus motif 5'-C[ACU][AU]C[ACU][AC]C-3' within pre-mRNA and promotes specific exons inclusion during alternative splicing (PubMed: 17036044 , PubMed: 26876937 , PubMed: 32440474). Interaction with YTHDC1, a RNA- binding protein that recognizes and binds N6-methyladenosine (m6A)- containing RNAs, promotes recruitment of SRSF3 to its mRNA-binding elements adjacent to m6A sites within exons (PubMed: 26876937). Also functions as an adapter involved in mRNA nuclear export (PubMed: 11336712 , PubMed: 18364396 , PubMed: 28984244). Binds mRNA which is thought to be transferred to the NXF1-NXT1 heterodimer for export (TAP/NXF1 pathway); enhances NXF1-NXT1 RNA-binding activity (PubMed: 11336712 , PubMed: 18364396). Involved in nuclear export of m6A- containing mRNAs via interaction with YTHDC1: interaction with YTHDC1 facilitates m6A-containing mRNA-binding to both

SRSF3 and NXF1, promoting mRNA nuclear export (PubMed:[28984244](#)).

Cellular Location

Nucleus. Nucleus speckle. Cytoplasm. Note=Recruited to nuclear speckles following interaction with YTHDC1.

Background

May be involved in RNA processing in relation with cellular proliferation and/or maturation. May function as export adapter involved in mRNA nuclear export such as of histone H2A. Binds mRNA which is thought to be transferred to the NXF1-NXT1 heterodimer for export (TAP/NXF1 pathway); enhances NXF1-NXT1 RNA-binding activity. RNA-binding is semi-sequence specific.

References

Zahler A.M.,et al.Genes Dev. 6:837-847(1992).
Liu W.L.,et al.Submitted (NOV-1998) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.
Mungall A.J.,et al.Nature 425:805-811(2003).
Barnard D.C.,et al.Mol. Cell. Biol. 20:3049-3057(2000).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.