

SRSF3 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51533

Specification

SRSF3 Antibody - Product Information

Application	WB, ICC, IHC-P, E
Primary Accession	P84103
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	20 KDa

SRSF3 Antibody - 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

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

SRSF3 Antibody - 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.

SRSF3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SRSF3 Antibody - Images

SRSF3 Antibody - 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.

SRSF3 Antibody - 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).