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SRSF3 Antibody

Rabbit mAb Catalog # AP92109

Product Information

Application WB, IHC, IF, FC, ICC, IHF

Primary Accession P84103

Reactivity Rat, Human, Mouse

Clonality Monoclonal

Other Names Splicing factor; SRp20; SRSF3; X16;

IsotypeRabbit IgGHostRabbitCalculated MW19330

Additional Information

Dilution WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 FC 1:100

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human SRSF3

Description May be involved in RNA processing in relation with cellular proliferation

and/or maturation.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

Protein Information

Name SRSF3

Synonyms SFRS3, SRP20

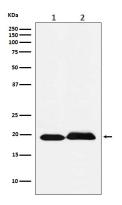
Function Splicing factor, which binds the consensus motif 5'-

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:<u>28984244</u>). 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:<u>11336712</u>, PubMed:<u>18364396</u>). 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:<u>28984244</u>).

Images



Western blot analysis of SRSF3 expression in (1) Jurkat cell lysate; (2) Rat brain lysate.

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