

FUSIP1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17421b**Specification**

FUSIP1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O75494](#)**FUSIP1 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 10772

Other Names

Serine/arginine-rich splicing factor 10, 40 kDa SR-repressor protein, SRp40, FUS-interacting serine-arginine-rich protein 1, Splicing factor SRp38, Splicing factor, arginine/serine-rich 13A, TLS-associated protein with Ser-Arg repeats, TASR, TLS-associated protein with SR repeats, TLS-associated serine-arginine protein, TLS-associated SR protein, SRSF10, FUSIP1, FUSIP2, SFRS13A, TASR

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FUSIP1 Antibody (C-term) Blocking Peptide - Protein Information

Name SRSF10

Synonyms FUSIP1, FUSIP2, SFRS13A, TASR

Function

Splicing factor that in its dephosphorylated form acts as a general repressor of pre-mRNA splicing (PubMed: [11684676](http://www.uniprot.org/citations/11684676)), PubMed: [12419250](http://www.uniprot.org/citations/12419250), PubMed: [14765198](http://www.uniprot.org/citations/14765198)). Seems to interfere with the U1 snRNP 5'-splice recognition of SNRNP70 (PubMed: [14765198](http://www.uniprot.org/citations/14765198)). Required for splicing repression in M-phase cells and after heat shock (PubMed: [14765198](http://www.uniprot.org/citations/14765198)). Also acts as a splicing factor that specifically promotes exon skipping during alternative splicing (PubMed: [26876937](http://www.uniprot.org/citations/26876937)). Interaction with YTHDC1, a RNA-binding protein that recognizes and binds N6-methyladenosine (m6A)-containing RNAs, prevents SRSF10 from binding to its mRNA-binding sites close to

m6A-containing regions, leading to inhibit exon skipping during alternative splicing (PubMed:26876937). May be involved in regulation of alternative splicing in neurons, with isoform 1 acting as a positive and isoform 3 as a negative regulator (PubMed:12419250).

Cellular Location

Nucleus speckle. Cytoplasm

Tissue Location

Widely expressed.

FUSIP1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

FUSIP1 Antibody (C-term) Blocking Peptide - Images**FUSIP1 Antibody (C-term) Blocking Peptide - Background**

This gene product is a member of the serine-arginine (SR)family of proteins, which is involved in constitutive and regulatedRNA splicing. Members of this family are characterized byN-terminal RNP1 and RNP2 motifs, which are required for binding toRNA, and multiple C-terminal SR/RS repeats, which are important in mediating association with other cellular proteins. This protein can influence splice site selection of adenovirus E1A pre-mRNA. It interacts with the oncoprotein TLS, and abrogates the influence of TLS on E1A pre-mRNA splicing. This gene has multiple pseudogenes. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. In addition, transcript variants utilizing alternative polyA sites exist.

FUSIP1 Antibody (C-term) Blocking Peptide - References

Manley, J.L., et al. Genes Dev. 24(11):1073-1074(2010) Ling, I.F., et al. Hum. Mutat. 31(6):702-709(2010) Shi, Y., et al. Mol. Cell 28(1):79-90(2007) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Lareau, L.F., et al. Nature 446(7138):926-929(2007)