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

Specification

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

Primary 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, SRrp40, 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, PubMed:12419250, PubMed:14765198). Seems to interfere with the U1 snRNP 5'-splice recognition of SNRNP70 (PubMed:14765198). Required for splicing repression in M-phase cells and after heat shock (PubMed:14765198). Also acts as a splicing factor that specifically promotes exon skipping during alternative splicing (PubMed: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 inmediating association with other cellular proteins. This proteincan influence splice site selection of adenovirus E1A pre-mRNA. Itinteracts with the oncoprotein TLS, and abrogates the influence ofTLS on E1A pre-mRNA splicing. This gene has multiple pseudogenes.Alternative splicing of this gene results in multiple transcriptvariants encoding different isoforms. In addition, transcriptvariants 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)