

**FUSIP1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP17421B****Specification**

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**FUSIP1 Antibody (C-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O75494</a>
Other Accession	<a href="#">O9R0U0</a> , <a href="#">NP_001177935.1</a> , <a href="#">NP_001177934.1</a>
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	31301
Antigen Region	197-225

**FUSIP1 Antibody (C-term) - 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

**Target/Specificity**

This FUSIP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 197-225 amino acids from the C-terminal region of human FUSIP1.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

FUSIP1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**FUSIP1 Antibody (C-term) - 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**

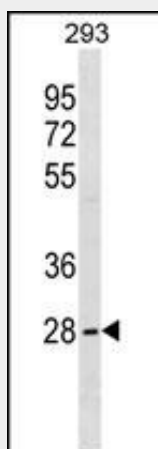
Widely expressed.

**FUSIP1 Antibody (C-term) - 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](#)

**FUSIP1 Antibody (C-term) - Images**



FUSIP1 Antibody (C-term) (Cat. #AP17421b) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the FUSIP1 antibody detected the FUSIP1 protein (arrow).

**FUSIP1 Antibody (C-term) - Background**

This gene product is a member of the serine-arginine (SR) family of proteins, which is involved in constitutive and regulated RNA splicing. Members of this family are characterized by N-terminal RNP1 and RNP2 motifs, which are required for binding to RNA, 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) - 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)