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FUSIP1 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI11843

Product Information

Application	WB, IHC
Primary Accession	O75494
Other Accession	NM_054016, NP_473357
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse
Predicted	Chicken, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31301

Additional Information

Gene ID	10772
Alias Symbol	FUSIP2, NSSR, SFRS13, SRp38, SRrp40, TASR, TASR1, TASR2, FUSIP1, SFRS13A
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	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-FUSIP1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	FUSIP1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

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).

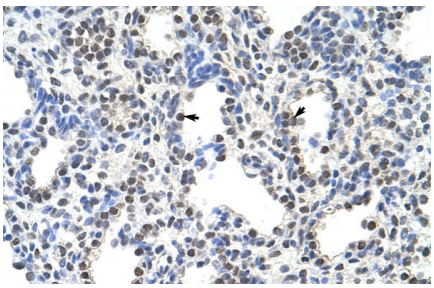
Cellular Location Nucleus speckle. Cytoplasm

Tissue Location Widely expressed.

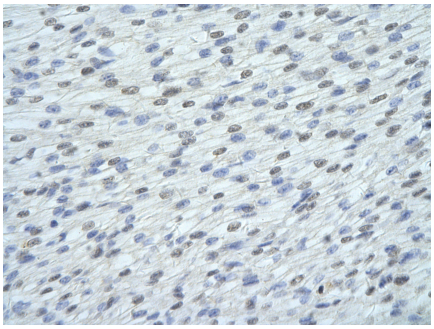
References

Shin,C., (2005) Mol. Cell. Biol. 25 (18), 8334-8343Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

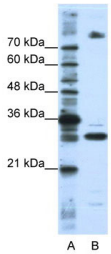
Images



Rabbit Anti-FUSIP1 Antibody
Paraffin Embedded Tissue: Human Lung
Cellular Data: Alveolar cells
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400



Rabbit Anti-FUSIP1 antibody
Paraffin Embedded Tissue: Human Heart cell
Cellular Data: cardiac cell of renal tubule
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X



WB Suggested Anti-FUSIP1 Antibody Titration: 0.2-1 µg/ml
Positive Control: HepG2 cell lysate
FUSIP1 is supported by BioGPS gene expression data to be expressed in HepG2