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FUSIP1 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant FUSIP1.
Catalog # AT2120a

Product Information

Application	WB, IHC, IF, E
Primary Accession	O75494
Other Accession	BC005039
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1A6
Calculated MW	31301

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	FUSIP1 (AAH05039, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	FUSIP1 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

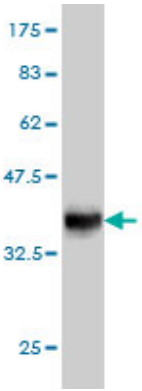
This gene product is a member of the serine-arginine (SR) family of proteins, which is involved in constitutive and regulated RNA splicing. Members of this family are characterized by N-terminal RNP1 and RNP2 motifs, which are required for binding to RNA, and multiple C-terminal SR/RS repeats, which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

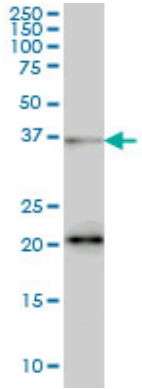
References

A rational nomenclature for serine/arginine-rich protein splicing factors (SR proteins). Manley JL, et al. Genes Dev, 2010 Jun 1. PMID 20516191.A complex signaling pathway regulates SRp38 phosphorylation and pre-mRNA splicing in response to heat shock. Shi Y, et al. Mol Cell, 2007 Oct 12. PMID 17936706.Unproductive splicing of SR genes associated with highly conserved and ultraconserved DNA elements. Lareau LF, et al. Nature, 2007 Apr 19. PMID 17361132.Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983.

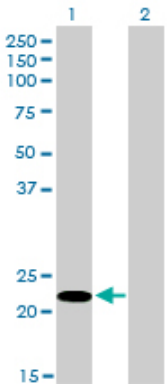
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



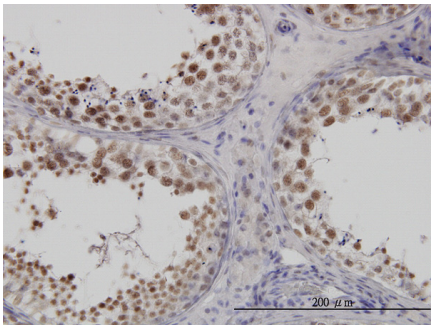
FUSIP1 monoclonal antibody (M03), clone 1A6 Western Blot analysis of FUSIP1 expression in Hela S3 NE ((Cat # AT2120a)

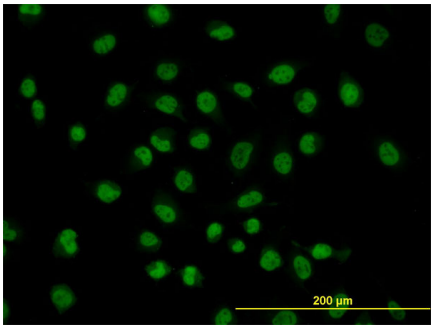


Western Blot analysis of FUSIP1 expression in transfected 293T cell line by FUSIP1 monoclonal antibody (M03), clone 1A6.

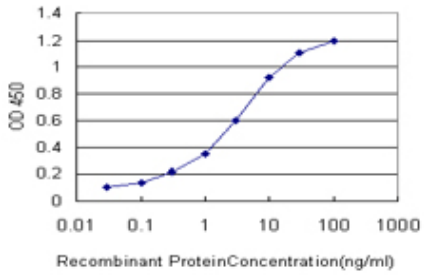
Lane 1: FUSIP1 transfected lysate(22.2 KDa).
Lane 2: Non-transfected lysate.

Immunoperoxidase of monoclonal antibody to FUSIP1 on formalin-fixed paraffin-embedded human testis. [antibody concentration 3 ug/ml]





Immunofluorescence of monoclonal antibody to FUSIP1 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged FUSIP1 is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.