

For Research Use Only

FUSIP1 Polyclonal antibody

Catalog Number: 10131-1-AP **3 Publications**



Basic Information

Catalog Number: 10131-1-AP	GenBank Accession Number: BC001107	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 10772	Recommended Dilutions: WB 1:500-1:2000 IHC 1:250-1:1000
Source: Rabbit	Full Name: FUS interacting protein (serine/arginine-rich) 1	
Isotype: IgG	Calculated MW: 22 kDa	
Immunogen Catalog Number: AG0176	Observed MW: 31 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HepG2 cells, HeLa cells
Cited Applications: IHC, WB	IHC : human urothelial carcinoma tissue,
Species Specificity: human, mouse, rat	
Cited Species: human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

FUSIP1, also named as SRp40, SRp38, FUSIP2, SFRS13A, or TASR, is a 262 amino acid protein, which belongs to the splicing factor SR family. FUSIP1 as a Splicing factor that in its dephosphorylated form acts as a general repressor of pre-mRNA splicing. FUSIP1 is required for splicing repression in M-phase cells and after heat shock and also acts as a splicing factor that specifically promotes exon skipping during alternative splicing. FUSIP1 Interacting 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaobai Liu	32600379	J Exp Clin Cancer Res	WB
Yuhan Chen	29942010	Nat Commun	WB
Yi-Ting Chen	38196148	Proteomics Clin Appl	WB,IHC

Storage

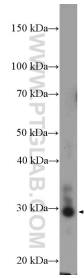
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

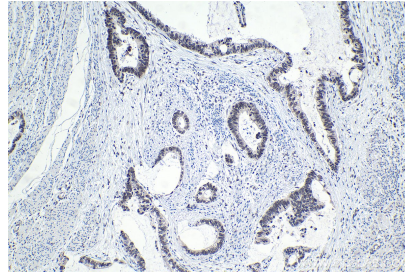
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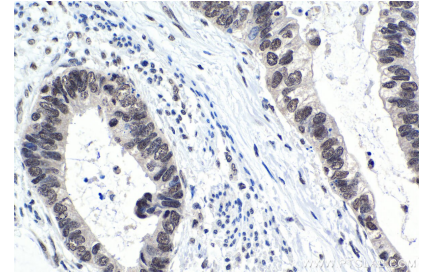
Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 10131-1-AP (FUSIP1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 10131-1-AP (FUSIP1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 10131-1-AP (FUSIP1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).