

For Research Use Only

FUSIP1/SRS10 Polyclonal antibody

Catalog Number: 10131-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

10131-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0176

GenBank Accession Number:

BC001107

GeneID (NCBI):

10772

UNIPROT ID:

O75494

Full Name:

FUS interacting protein (serine/arginine-rich) 1

Calculated MW:

22 kDa

Observed MW:

31 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:250-1:1000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : HepG2 cells, HeLa cells

IHC : human urothelial carcinoma tissue,

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 SRS10, 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

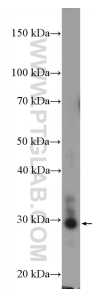
For technical support and original validation data for this product please contact:

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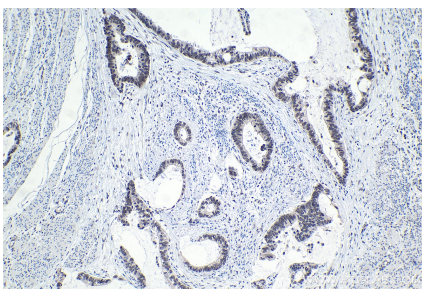
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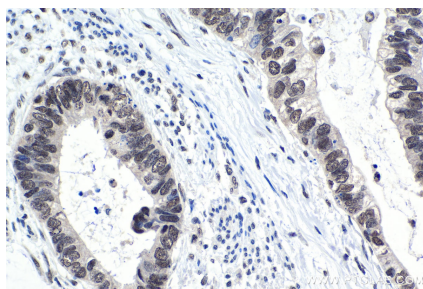
Selected Validation Data



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).