For Research Use Only

ASF/SF2 Monoclonal antibody

Catalog Number:66671-1-Ig

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Basic Information

Catalog Number:
66671-1-Ig

Size:
1000 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG3626

GenBank Accession Number:
BC010264

GeneID (NCBI):
6426

UNIPROT ID:
Q07955

Full Name:
splicing factor, arginine/serine-rich 1

Calculated MW:
248 aa, 28 kDa

Observed MW:
32 kDa, 28 kDa, 22 kDa

Purification Method:
Protein G purification

CloneNo.:
1A6C5

Recommended Dilutions:
WB 1:5000-1:50000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:200-1:800
IF/ICC 1:200-1:800

Applications

Tested Applications:
IF/ICC, IHC, IP, WB, ELISA

Species Specificity:
Human, mouse, rat

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

Positive Controls:

WB : HeLa cells, LNCaP cells, HEK-293 cells, HepG2 cells, Jurkat cells, HSC-T6 cells, PC-12 cells, NIH/3T3 cells, RAW 264.7 cells

IP : HeLa cells,

IHC : human ovary tumor tissue, human gliomas tissue

IF/ICC : HepG2 cells,

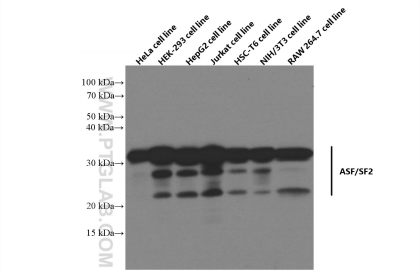
Background Information

SFRS1, also named as ASF, SF2, SF2P33, SFRS1 and ASF-1, belongs to the splicing factor SR family. It plays a role in preventing exon skipping, ensuring the accuracy of splicing and regulating alternative splicing. SFRS1 interacts with other spliceosomal components, via the RS domains, to form a bridge between the 5'- and 3'-splice site binding components, U1 snRNP and U2AF. Isoform ASF-2 and isoform ASF-3 act as splicing repressors. This antibody can recognize all the 3 isoforms(28kd,33kd and 22kd) of SFRS1.

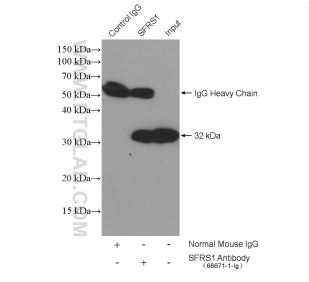
Storage

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

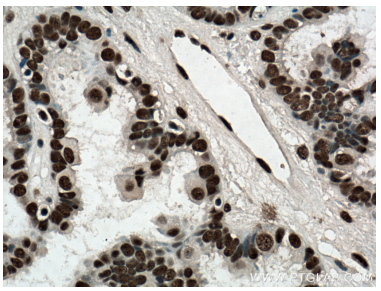
Selected Validation Data



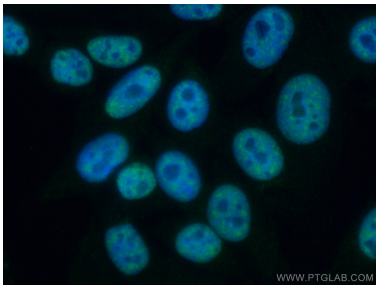
Various lysates were subjected to SDS PAGE followed by western blot with 66671-1-Ig (ASF/SF2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



IP result of anti-ASF/SF2 (IP:66671-1-Ig, 5ug; Detection:66671-1-Ig 1:5000) with HeLa cells lysate 2200 ug.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 66671-1-Ig (ASF/SF2 antibody) at dilution of 1:400 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ASF/SF2 antibody (66671-1-Ig, Clone: 1A6C5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).