

For Research Use Only

SF3A1 Polyclonal antibody

Catalog Number: 15858-1-AP

8 Publications



Basic Information

Catalog Number:

15858-1-AP

Concentration:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8196

GenBank Accession Number:

BC007684

GeneID (NCBI):

10291

UNIPROT ID:

Q15459

Full Name:

splicing factor 3a, subunit 1, 120kDa

Calculated MW:

793 aa, 89 kDa

Observed MW:

120-130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:2000-1:10000

IP: 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC: 1:20-1:200

IF/ICC: 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

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: HL-60 cells, mouse brain tissue, HEK-293 cells, HeLa cells, mouse lung tissue, K-562 cells

IP: mouse brain tissue,

IHC: human breast cancer tissue,

IF/ICC: HepG2 cells,

Background Information

SF3A1, also known as SF3a120, is a 793 amino acid protein, which is a Subunit of the splicing factor SF3A required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence (BPS) in pre-mRNA. SF3A1 also be involved in the assembly of the 'E' complex. The calculated molecular weight of SF3A1 is 88 kDa, but the modified SF3A1 is about 115-120 kDa. (PMID: 7489498)

Notable Publications

Author	Pubmed ID	Journal	Application
Ni Li	36313296	Front Pharmacol	WB
Nir Kfir	25892229	Cell Rep	WB
Yiqiu Wang	40640337	Oncogene	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

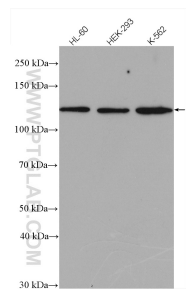
T: 4006900926

E: Proteintech-CN@ptglab.com

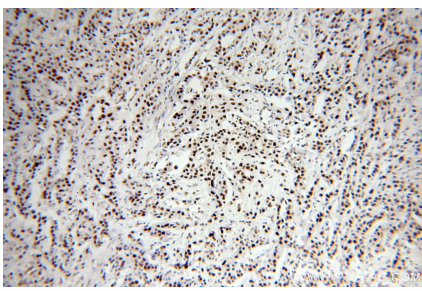
W: ptgcn.com

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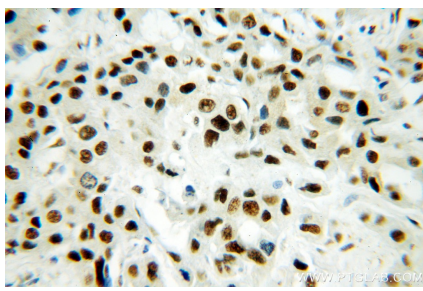
Selected Validation Data



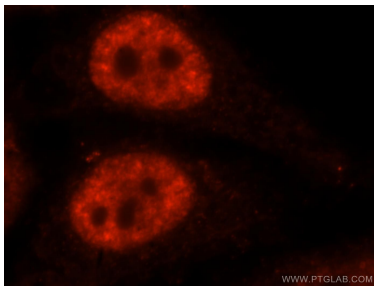
Various lysates were subjected to SDS PAGE followed by western blot with 15858-1-AP (SF3A1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



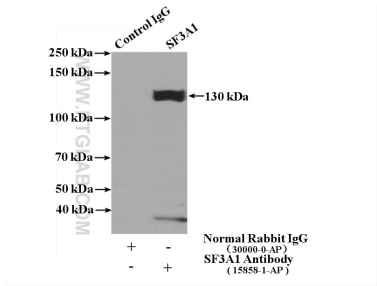
Immunohistochemical analysis of paraffin-embedded human breast cancer using 15858-1-AP (SF3A1 antibody) at dilution of 1:400 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer using 15858-1-AP (SF3A1 antibody) at dilution of 1:400 (under 40x lens).



Immunofluorescent analysis of HepG2 cells, using SF3A1 antibody 15858-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP result of anti-SF3A1 (IP:15858-1-AP, 4ug; Detection:15858-1-AP 1:500) with mouse brain tissue lysate 4000ug.