

For Research Use Only

SF3A1 Polyclonal antibody

Catalog Number: 15858-1-AP **3 Publications**



Basic Information

Catalog Number: 15858-1-AP	GenBank Accession Number: BC007684	Purification Method: Antigen affinity purification
Size: 500 µg/ml	GeneID (NCBI): 10291	Recommended Dilutions: WB 1:2000-1:10000
Source: Rabbit	UNIPROT ID: Q15459	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: splicing factor 3a, subunit 1, 120kDa	IHC 1:20-1:200
Immunogen Catalog Number: AG8196	Calculated MW: 793 aa, 89 kDa	IF 1:10-1:100
	Observed MW: 120-130 kDa	

Applications

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

Cited Applications:
IP, WB

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: 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
Brian J Woo	37398273	bioRxiv	IP

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

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

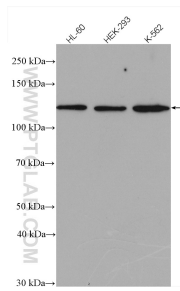
T: 4006900926

E: Proteintech-CN@ptglab.com

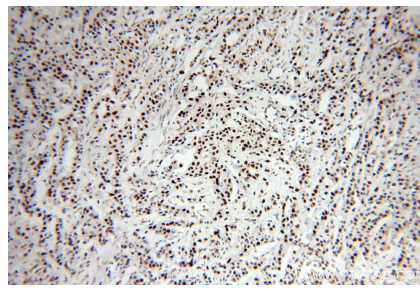
W: ptgcn.com

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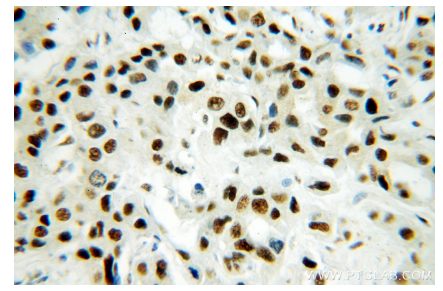
Selected Validation Data



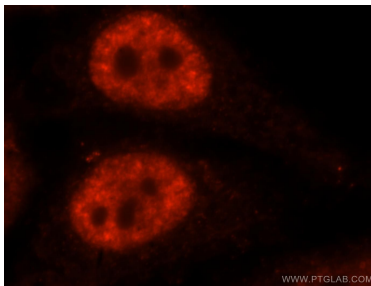
Various lysates were subjected to SDS PAGE followed by western blot with 15858-1-AP (SF3A1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



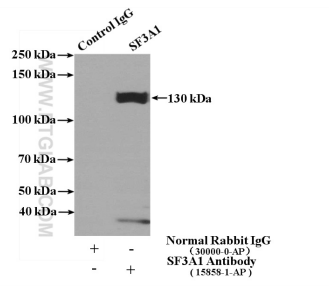
Immunohistochemical analysis of paraffin-embedded human breast cancer using 15858-1-AP (SF3A1 antibody) at dilution of 1:400 (under 10x lens).



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.