

For Research Use Only

# SF3A1 Polyclonal antibody

Catalog Number: 15858-1-AP

6 Publications



## Basic Information

### Catalog Number:

15858-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

### 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 ug 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, 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
Qiqi Li	39461343	Mol Cell	WB

## 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

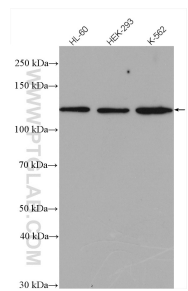
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

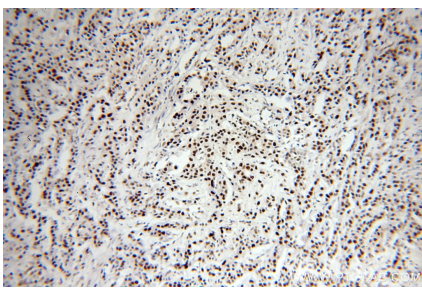
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

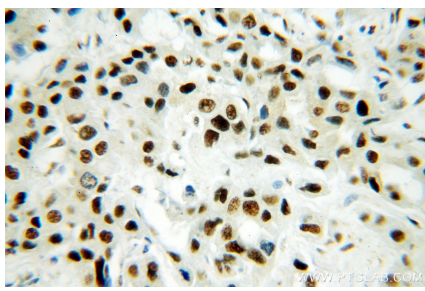
Selected Validation Data



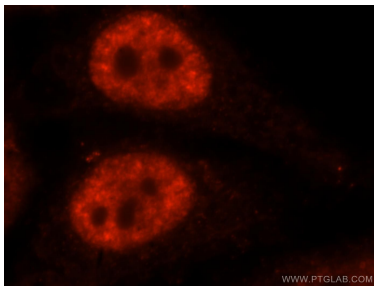
Various lysates were subjected to SDS PAGE followed by western blot with 15858-1-AP (SF3A1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



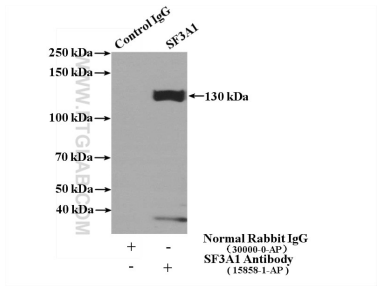
Immunohistochemical analysis of paraffin-embedded human breast cancer using 15858-1-AP (SF3A1 antibody) at dilution of 1:400 (under 10x lens).



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.