

For Research Use Only

# SF3B1 Polyclonal antibody

Catalog Number: 27684-1-AP

Featured Product

7 Publications



## Basic Information

<b>Catalog Number:</b> 27684-1-AP	<b>GenBank Accession Number:</b> NM_012433	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23451	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:500-1:2000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O75533	
<b>Isotype:</b> IgG	<b>Full Name:</b> splicing factor 3b, subunit 1, 155kDa	
<b>Immunogen Catalog Number:</b> AG26689	<b>Calculated MW:</b> 146 kDa	
	<b>Observed MW:</b> 146-150 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> MCF-7 cells, HeLa cells, U2OS cells
<b>Species Specificity:</b> Human	<b>IHC :</b> human colon tissue,
<b>Cited Species:</b> human	

**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

SF3B1, also named as SAP155, is a 1304 amino acid protein, which belongs to the SF3B1 family. SF3B1 is a subunit of the splicing factor SF3B required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence (BPS) in pre-mRNA. Sequence independent binding of SF3A/SF3B complex upstream of the branch site is essential, it may anchor U2 snRNP to the pre-mRNA. SF3B1 may also be involved in the assembly of the 'E' complex. SF3B1 belongs also to the minor U12-dependent spliceosome, which is involved in the splicing of rare class of nuclear pre-mRNA intron.

## Notable Publications

Author	Pubmed ID	Journal	Application
Zixiang Wang	36271053	Nat Commun	WB
Yapu Li	33319461	EMBO Rep	WB
Tetsuro Ochi	36028755	Sci Rep	WB

## Storage

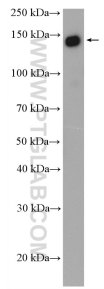
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

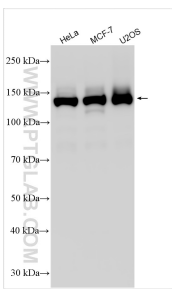
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

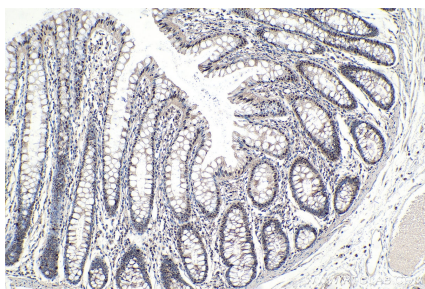
Selected Validation Data



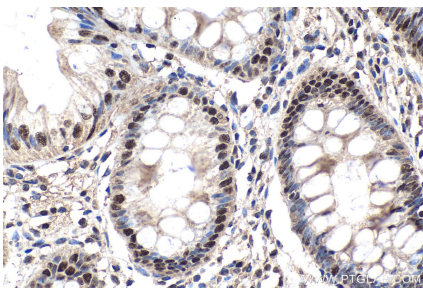
MCF-7 cells were subjected to SDS PAGE followed by western blot with 27684-1-AP (SF3B1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 27684-1-AP (SF3B1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 27684-1-AP (SF3B1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 27684-1-AP (SF3B1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).