

For Research Use Only

# SF3B2 Polyclonal antibody

Catalog Number: 10919-1-AP **6 Publications**



## Basic Information

<b>Catalog Number:</b> 10919-1-AP	<b>GenBank Accession Number:</b> BC007610	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 650 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10992	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> splicing factor 3b, subunit 2, 145kDa	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 100 kDa	
<b>Immunogen Catalog Number:</b> AG1009	<b>Observed MW:</b> 130-140 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, K-562 cells
<b>Cited Applications:</b> IHC, WB	<b>IHC :</b> human colon cancer tissue,
<b>Species Specificity:</b> human	<b>IF :</b> HEK-293 cells,
<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

SF3B (splicing factor 3B) is a U2 snRNP-associated protein complex essential for spliceosome assembly. SF3B complex contains the spliceosome-associated protein (SAP) 49, 130, 145, and 155 has been demonstrated. And this complex is essential for U2 snRNP to anchor to the pre-mRNA. Splicing factor 3B subunit 2 (SF3B2), known as SAP145, forms complex with SAP49 which plays a role in cell cycle progression. SAP145, with predicated MW of 100 kDa, appears with MW of about 145 kDa which may be due to the post-translational modification.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ada Congrains	33330042	Front Oncol	WB
Ling Leng	35679865	Cell Rep	IHC
Yingying Cao	34371001	Gastroenterology	WB

## Storage

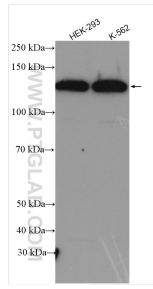
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

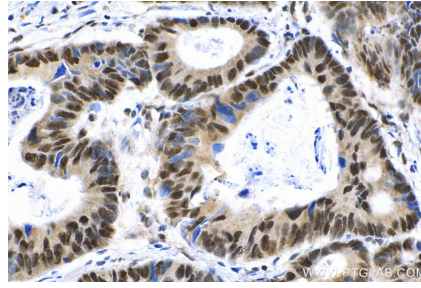
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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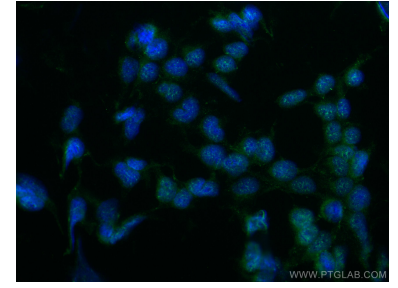
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10919-1-AP (SF3B2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10919-1-AP (SF3B2 antibody) at dilution of 1:200 (under 10x lens).



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using SF3B2 antibody (10919-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).