For Research Use Only

SF3B1 Polyclonal antibody

Catalog Number:27684-1-AP Featured Product 13 Publications

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Basic Information

Catalog Number:
27684-1-AP

Size:
150ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG26689

GenBank Accession Number:
NM_012433

GeneID (NCBI):
23451

UNIPROT ID:
O75533

Full Name:
splicing factor 3b, subunit 1, 155kDa

Calculated MW:
146 kDa

Observed MW:
146-150 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:1000-1:6000
IHC: 1:500-1:2000

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, CoIP

Species Specificity:
human

Cited Species:
human

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 : MCF-7 cells, HeLa cells, U2OS cells

IHC : human colon tissue,

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

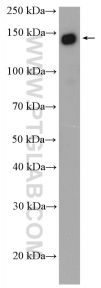
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

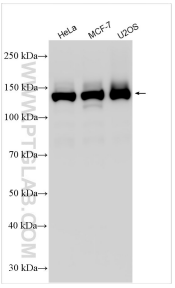
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

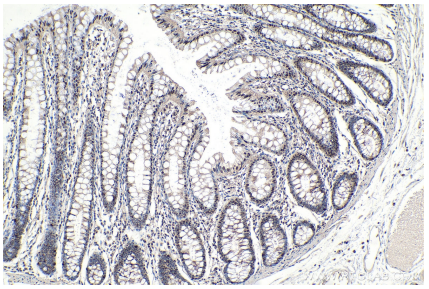
Selected Validation Data



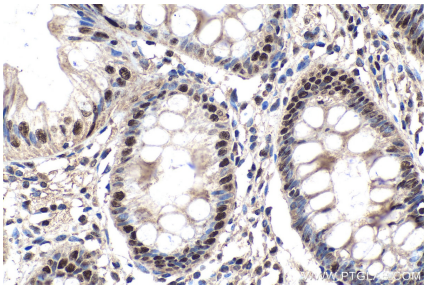
MCF-7 cells were subjected to SDS PAGE followed by western blot with 27684-1-AP (SF3B1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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).