

For Research Use Only

# SF3B4 Polyclonal antibody

Catalog Number: 10482-1-AP

Featured Product

10 Publications



## Basic Information

**Catalog Number:**

10482-1-AP

**Size:**

150ul, Concentration: 220 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0737

**GenBank Accession Number:**

BC004273

**GeneID (NCBI):**

10262

**UNIPROT ID:**

Q15427

**Full Name:**

splicing factor 3b, subunit 4, 49kDa

**Calculated MW:**

44 aa, 3 kDa

**Observed MW:**

50 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:2000-1:16000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

## Applications

**Tested Applications:**

WB, IP, IHC, ELISA

**Cited Applications:**

WB, IP, IF, IHC

**Species Specificity:**

human

**Cited Species:**

human, rat, 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 : HEK-293T cells, HEK-293 cells, PC-3 cells

IP : HeLa cells,

IHC : human pancreas cancer tissue,

## Background Information

SF3B4, also named as Pre-mRNA-splicing factor SF3b 49 kDa subunit, is a 424 amino acid protein, which belongs to the SF3B4 family. SF3B4 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. SF3B4 has been found in complex 'B' and 'C' as well. Belongs also to the minor U12-dependent spliceosome, which is involved in the splicing of rare class of nuclear pre-mRNA intron. The calculated molecular weight of SF3B4 is 44 kDa. Based on its predicted molecular mass and the observed migration of the 50kDa cross-linked species on two-dimensional gels.(PMID: 9614130)

## Notable Publications

Author	Pubmed ID	Journal	Application
Scott A Hinger	33188779	J Mol Cell Cardiol	WB
Yingwei Li	35853859	Cell Death Discov	WB,IHC
Zhan Yang	36639679	Cell Death Dis	WB,IHC,IF,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

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

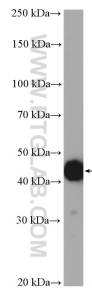
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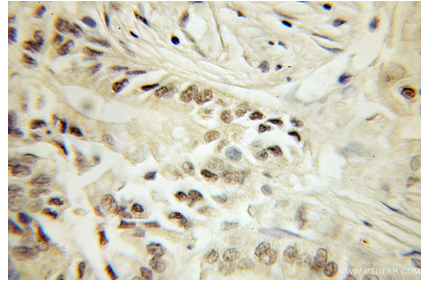
E: proteintech@ptglab.com  
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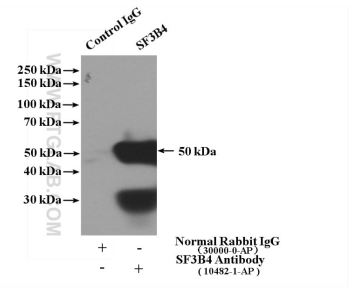
## Selected Validation Data



HEK-293T cells were subjected to SDS PAGE followed by western blot with 10482-1-AP (SF3B4 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 10482-1-AP (SF3B4 antibody) at dilution of 1:50 (under 10x lens).



IP result of anti-SF3B4 (IP:10482-1-AP, 4ug; Detection:10482-1-AP 1:500) with HeLa cells lysate 1600ug.