

For Research Use Only

SF3B4 Polyclonal antibody

Catalog Number: 10482-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number:

10482-1-AP

Size:

150ul, Concentration: 220 ug/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, IHC, IF, IP

Species Specificity:

human

Cited Species:

human, mouse, rat

Positive Controls:

WB : HEK-293T cells, HEK-293 cells, PC-3 cells

IP : HeLa cells,

IHC : human pancreas cancer tissue,

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

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

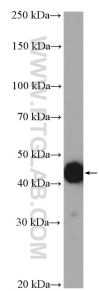
For technical support and original validation data for this product please contact:

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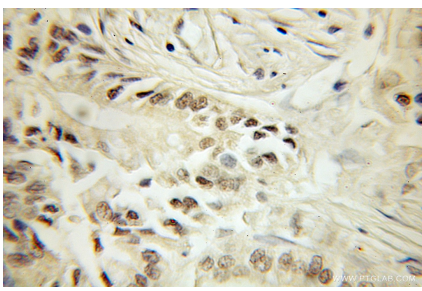
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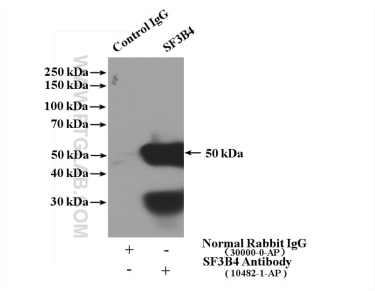
Selected Validation Data



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.