

For Research Use Only

# SF3B3 Monoclonal ANTIBODY



Catalog Number: 67469-1-Ig

## Basic Information

<b>Catalog Number:</b> 67469-1-Ig	<b>GenBank Accession Number:</b> BC003146	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150UL, Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 23450	<b>CloneNo.:</b> 2H7F5
<b>Source:</b> Mouse	<b>Full Name:</b> splicing factor 3b, subunit 3, 130kDa	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:1000-1:4000
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 136 kDa	
<b>Immunogen Catalog Number:</b> AG6315	<b>Observed MW:</b> 130-135 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

Human, mouse, rat

**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: HeLa cells,

IHC: human breast cancer tissue, human gliomas tissue

## Background Information

Introns are removed from nuclear pre-mRNA in 2-step transesterification reactions. Splicing occurred in a large ribonucleoprotein particle, called the spliceosome. Spliceosomal intermediate complexes form on pre-mRNA in the order E, A, B, and C, with the catalytic reactions occurring in complex C. U2 small nuclear ribonucleoproteins are one of the proteins essential for spliceosome assembly and mRNA splicing. Functional U2 snRNP is composed of a 12S unit and 2 splicing factors, SF3A, which is composed of 3 proteins, and SF3B, which composed of 4 proteins. SF3B3 is one of SF3B, and it's required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence(BPS) in pre-mRNA.

## Storage

### Storage:

Store at -20°C.

### Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

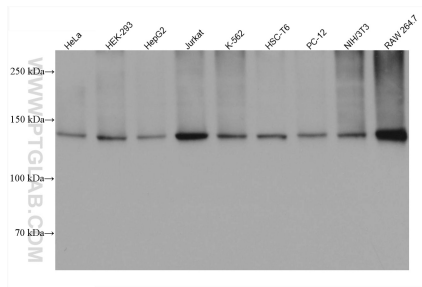
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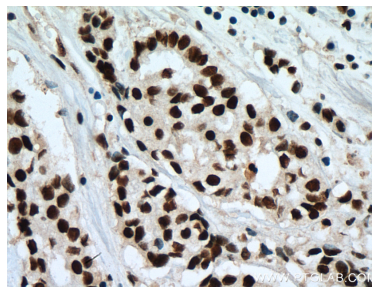
E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67469-1-Ig (SF3B3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67469-1-Ig (SF3B3 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).