SF3B3 Monoclonal antibody, PBS Only

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Catalog Number:67469-1-PBS

Basic Information

Catalog Number: 67469-1-PBS	**GenBank Accession Number:** BC003146	**Purification Method:** Protein A purification
Size: 1 mg/ml	**GeneID (NCBI):** 23450	**CloneNo.:** 2H7F5
Source: Mouse	**UNIPROT ID:** Q15393	
Isotype: IgG2b	**Full Name:** splicing factor 3b, subunit 3, 130kDa	
Immunogen Catalog Number: AG6315	**Calculated MW:** 136 kDa	
	Observed MW: 130-135 kDa	

Applications

Tested Applications:
WB,Indirect ELISA,IHC

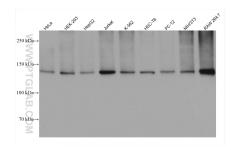**Species Specificity:**
Human, mouse, rat

Background Information

Introns are removed from nuclear pre-mRNA in 2-step transesterification reactions. Splicing occured 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 conposed 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 brachpoint sequence(BPS) in pre-mRNA.
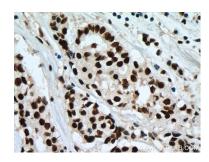
Storage

Storage:
Store at -80℃.
Storage Buffer:
PBS Only

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. This data was developed using the same antibody clone with 67469-1-PBS in a different storage buffer formulation.

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). This data was developed using the same antibody clone with 67469-1-PBS in a different storage buffer formulation.