

CoraLite®594-conjugated SF3B3 Monoclonal antibody

Catalog Number: **CL594-67469**

Basic Information

Catalog Number: CL594-67469	GenBank Accession Number: BC003146	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 23450	CloneNo.: 2H7F5
Source: Mouse	UNIPROT ID: Q15393	Recommended Dilutions: IF-P 1:50-1:500 IF/ICC 1:50-1:500
Isotype: IgG2b	Full Name: splicing factor 3b, subunit 3, 130kDa	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG6315	Calculated MW: 136 kDa	
	Observed MW: 130-135 kDa	

Applications

Tested Applications: IF/ICC, IF-P	Positive Controls:
Species Specificity: human, mouse, rat	IF-P : mouse heart tissue, IF/ICC : HepG2 cells,

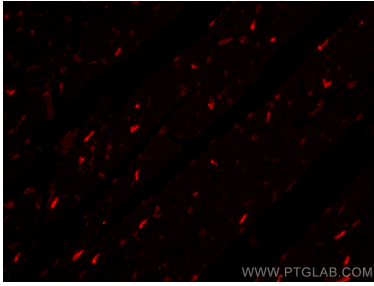
Background Information

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.

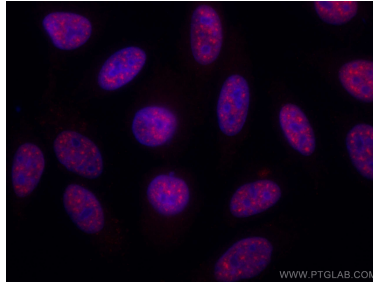
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using CoraLite®594 SF3B3 antibody (CL594-67469, Clone: 2H7F5) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CoraLite®594 SF3B3 antibody (CL594-67469, Clone: 2H7F5) at dilution of 1:200.