

For Research Use Only

CoraLite®594-conjugated SF3B3 Polyclonal antibody



Catalog Number:CL594-14577

Basic Information

Catalog Number: CL594-14577	GenBank Accession Number: BC003146	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 23450	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: splicing factor 3b, subunit 3, 130kDa	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Isotype: IgG	Calculated MW: 136 kDa	
Immunogen Catalog Number: AG5980	Observed MW: 130-135 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : mouse heart tissue,
Species Specificity: human, mouse, rat	

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

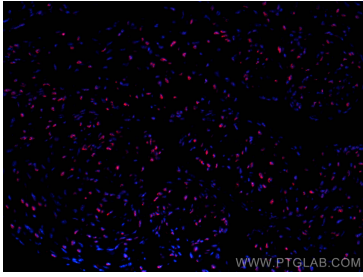
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using CoraLite®594 SF3B3 antibody (CL594-14577) at dilution of 1:200.