For Research Use Only

CoraLite® Plus 488-conjugated SF3B3 Monoclonal antibody

Catalog Number:CL488-67469

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL488-67469

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG6315

GenBank Accession Number:
BC003146

GeneID (NCBI):
23450

UNIPROT ID:
Q15393

Full Name:
splicing factor 3b, subunit 3, 130kDa

Calculated MW:
136 kDa

Observed MW:
130-135 kDa

Purification Method:
Protein A purification

CloneNo.:
2H7F5

Recommended Dilutions:
IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF

Species Specificity:
Human, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells, HeLa cells

Background Information

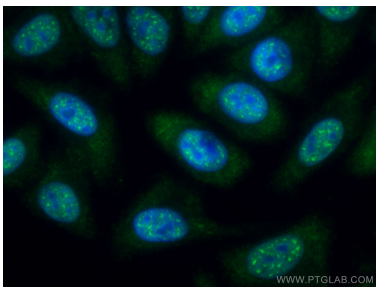
Introns are removed from nuclear pre-mRNA in 2-step transesterification reactions. Splicing occured in a large ribonucleoprotein particle, called the spliceosome. Spliceosomal intermediate complexes form on pre-mRNA in the order E, A, B, and C, with the catalytic reactions occurring in complex C. U2 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

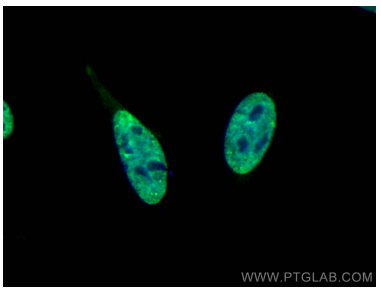
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CoraLite® Plus 488 SF3B3 antibody (CL488-67469, Clone: 2H7F5) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 SF3B3 antibody (CL488-67469, Clone: 2H7F5) at dilution of 1:200.