SF3B3 Conjugated Antibody

Catalog No: #C49907

Package Size: #C49907-AF350 100ul #C49907-AF405 100ul #C49907-AF488 100ul #C49907-AF555 100ul #C49907-AF594 100ul #C49907-AF647 100ul #C49907-AF680 100ul #C49907-AF750 100ul #C49907-Biotin 100ul

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Description

Product Name	SF3B3 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within the C-terminus of human SF3B3.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	KIAA0017 antibody Pre mRNA splicing factor SF3b 130 kDa subunit antibody Pre-mRNA-splicing factor SF3b 130 kDa subunit antibody RSE1 antibody SAP 130 antibody SAP130 antibody SF3b130 antibody SF3B3 antibody SF3B3_HUMAN antibody Spliceosome associated protein 130 antibody Spliceosome-associated protein 130 antibody Splicing factor 3b subunit 3 130kD antibody Splicing factor 3B subunit 3 antibody STAF130 antibody
Accession No.	Swiss-Prot#:Q15393
Uniprot	Q15393
GeneID	23450;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	136 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

SF3B is a U2 snRNP-associated protein complex essential for spliceosome assembly. SF3B contains the spliceosomal proteins SAP 49, SAP 130 (also known as SF3B3), SAP 145 and SAP 155. SF3B3, SAP 145 and SAP 155 are present in a protein complex in HeLa nuclear extracts and associate with one another. While SF3B3 and SAP 155 interact with each other (directly or indirectly) within this complex, SAP 49 and SAP 145 are known to interact directly with each other. Unexpectedly, the SAP 49-SAP 145 protein-protein interaction requires the amino-terminus of SAP 49, which contains two RNA-recognition motifs. The observation that SAP 49 and SAP 145 interact directly with both U2 snRNP and the pre-mRNA suggests that this protein complex plays a role in tethering U2 snRNP to the branch site.

Note: This product is for in vitro research use only