

SF3B3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12703b

Product Information

Application	WB, E
Primary Accession	Q15393
Other Accession	Q921M3 , A0JN52 , NP_036558.3
Reactivity	Human
Predicted	Bovine, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32074
Antigen Region	1046-1074

Additional Information

Other Names	Splicing factor 3B subunit 3, Pre-mRNA-splicing factor SF3b 130 kDa subunit, SF3b130, STAF130, Spliceosome-associated protein 130, SAP 130, SF3B3, KIAA0017, SAP130
Target/Specificity	This SF3B3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1046-1074 amino acids from the C-terminal region of human SF3B3.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SF3B3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

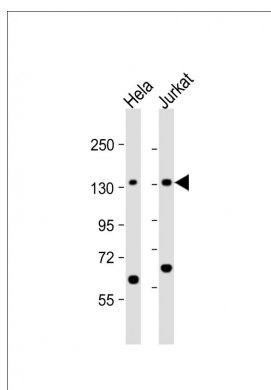
This gene encodes subunit 3 of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and a 12S RNA unit, forms the U2 small nuclear ribonucleoproteins complex (U2 snRNP). The splicing factor 3b/3a complex binds pre-mRNA upstream of the intron's branch site in a sequence

independent manner and may anchor the U2 snRNP to the pre-mRNA. Splicing factor 3b is also a component of the minor U12-type spliceosome. Subunit 3 has also been identified as a component of the STAGA (SPT3-TAF(II)31-GCN5L acetylase) transcription coactivator-HAT (histone acetyltransferase) complex, and the TFTC (TATA-binding-protein-free TAF(II)-containing complex). These complexes may function in chromatin modification, transcription, splicing, and DNA repair.

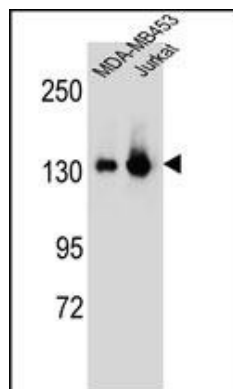
References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Will, C.L., et al. RNA 10(6):929-941(2004)
Cavusoglu, N., et al. Proteomics 3(2):217-223(2003)
Will, C.L., et al. EMBO J. 21(18):4978-4988(2002)
Martinez, E., et al. Mol. Cell. Biol. 21(20):6782-6795(2001)

Images



All lanes : Anti-SF3B3 Antibody (C-term) at 1:1000 dilution
Lane 1: HeLa whole cell lysate Lane 2: Jurkat whole cell lysate
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 136 kDa Blocking/Dilution buffer: 5% NFDN/TBST.



SF3B3 Antibody (C-term) (Cat. #AP12703b) western blot analysis in MDA-MB453, Jurkat cell line lysates (35µg/lane). This demonstrates the SF3B3 antibody detected the SF3B3 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.