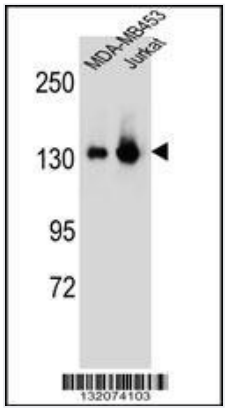
SF3B3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SF3B3, Polyclonal Antibody
Full Product Name	SF3B3, CT (SF3B3, KIAA0017, SAP130, Splicing factor 3B subunit 3, Pre-mRNA-splicing factor SF3b 130kD subunit, STAF130, Spliceosome-associated protein 130) (Azide free) (HRP)
Product Gene Name	anti-SF3B3 antibody
Product Synonym Names	SF3B3; KIAA0017; SAP130; Splicing factor 3B subunit 3; Pre-mRNA-splicing factor SF3b 130kD subunit; STAF130; Spliceosome-associated protein 130
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	135,577 Da
Chromosome Location	Chromosome: 16; NC_000016.9 (70557691..70611571). Location: 16q22.1
OMIM	605592
3D Structure	ModBase 3D Structure for Q15393
Immunogen	SF3B3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1053-1082 amino acids from the C-terminal region of human SF3B3.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-SF3B3 antibody	Antibodies; Splicing Factors
Applications Tested/Suitable for anti-SF3B3 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-SF3B3 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.

Related Product Information for anti-SF3B3 antibody	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.
Product References and Citations for anti-SF3B3 antibody	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).
Other Notes	Small volumes of anti-SF3B3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SF3B3 purchase	MBS6346552 is an antibody targeting SF3B3. Also known as SF3B3, CT (SF3B3, KIAA0017, SAP130, Splicing factor 3B subunit 3, Pre-mRNA-splicing factor SF3b 130kD subunit, STAF130, Spliceosome-associated protein 130) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-SF3B3 antibody
SF3B3 Antibody (C-term) western blot analysis in MDA-MB453,Jurkat cell line lysates (35ug/lane).This demonstrates the SF3B3 antibody detected the SF3B3 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SF3B3. It may not necessarily be applicable to this product.

NCBI GI #	54112121
NCBI GeneID	23450
NCBI Accession #	NP_036558.3
UniProt Primary Accession #	Q15393
UniProt Secondary Accession #	Q6NTI8; Q96GC0; Q9BPY2; Q9UFX7; Q9UJ29
UniProt Related Accession #	Q15393
GenBank Nucleotide #	NM_012426.4
NCBI Official Full Name	splicing factor 3B subunit 3
NCBI Official Synonym Full Names	splicing factor 3b, subunit 3, 130kDa
NCBI Official Symbol	SF3B3
NCBI Official Synonym Symbols	RSE1; SAP130; SF3b130; STAF130
UniProt Protein Name	Splicing factor 3B subunit 3

UniProt Synonym Protein Names	Pre-mRNA-splicing factor SF3b 130 kDa subunit; SF3b130; STAF130; Spliceosome-associated protein 130
Protein Family	Probable splicing factor
UniProt Gene Name	SF3B3
UniProt Synonym Gene Names	KIAA0017; SAP130; SF3b130; SAP 130
UniProt Entry Name	SF3B3_HUMAN
NCBI Protein Information	splicing factor 3B subunit 3; SAP 130; spliceosome-associated protein 130; pre-mRNA-splicing factor SF3b 130 kDa subunit; pre-mRNA splicing factor SF3b, 130 kDa subunit
UniProt Comments for SF3B3	SF3B3: Subunit of the splicing factor SF3B required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence (BPS) in pre-mRNA. Sequence independent binding of SF3A/SF3B complex upstream of the branch site is essential, it may anchor U2 snRNP to the pre-mRNA. May also be involved in the assembly of the 'E' complex. Belongs also to the minor U12-dependent spliceosome, which is involved in the splicing of rare class of nuclear pre-mRNA intron. Belongs to the RSE1 family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: RNA-binding; RNA splicing; Spliceosome Chromosomal Location of Human Ortholog: 16q22.1 Cellular Component: small nuclear ribonucleoprotein complex; nucleoplasm; spliceosome; U12-dependent spliceosome Molecular Function: protein binding; RNA binding Biological Process: RNA splicing, via transesterification reactions; nuclear mRNA splicing, via spliceosome; RNA splicing; protein complex assembly; gene expression; mRNA processing
Research Articles on SF3B3	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/sf3b3/6346552