

SF3B3 Antibody
Rabbit mAb
Catalog # AP91824**Specification**

SF3B3 Antibody - Product Information

Application	WB, IHC, FC, ICC
Primary Accession	Q15393
Reactivity	Rat
Clonality	Monoclonal
Other Names	
RSE1; SAP130; SF3b130; STAF130;	

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	135577 Da

SF3B3 Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500 FC~~1:10~50 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human SF3B3
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

SF3B3 Antibody - Protein Information**Name** SF3B3**Synonyms** KIAA0017, SAP130 {ECO:0000303|PubMed:104**Function**

Component of the 17S U2 SnRNP complex of the spliceosome, a large ribonucleoprotein complex that removes introns from transcribed pre-mRNAs (PubMed:<a

[10490618](http://www.uniprot.org/citations/10490618), PubMed: [10882114](http://www.uniprot.org/citations/10882114), PubMed: [12234937](http://www.uniprot.org/citations/12234937), PubMed: [27720643](http://www.uniprot.org/citations/27720643), PubMed: [28781166](http://www.uniprot.org/citations/28781166), PubMed: [32494006](http://www.uniprot.org/citations/32494006), PubMed: [34822310](http://www.uniprot.org/citations/34822310)). The 17S U2 SnRNP complex (1) directly participates in early spliceosome assembly and (2) mediates recognition of the intron branch site during pre-mRNA splicing by promoting the selection of the pre-mRNA branch-site adenosine, the nucleophile for the first step of splicing (PubMed: [12234937](http://www.uniprot.org/citations/12234937), PubMed: [32494006](http://www.uniprot.org/citations/32494006), PubMed: [34822310](http://www.uniprot.org/citations/34822310)). Within the 17S U2 SnRNP complex, SF3B3 is part of the SF3B subcomplex, which is required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence in pre-mRNA (PubMed: [12234937](http://www.uniprot.org/citations/12234937), PubMed: [27720643](http://www.uniprot.org/citations/27720643)). Sequence independent binding of SF3A and SF3B subcomplexes upstream of the branch site is essential, it may anchor U2 snRNP to the pre-mRNA (PubMed: [12234937](http://www.uniprot.org/citations/12234937)). May also be involved in the assembly of the 'E' complex (PubMed: [10882114](http://www.uniprot.org/citations/10882114)). Also acts as a component of the minor spliceosome, which is involved in the splicing of U12-type introns in pre-mRNAs (PubMed: [15146077](http://www.uniprot.org/citations/15146077), PubMed: [33509932](http://www.uniprot.org/citations/33509932)).

Cellular Location

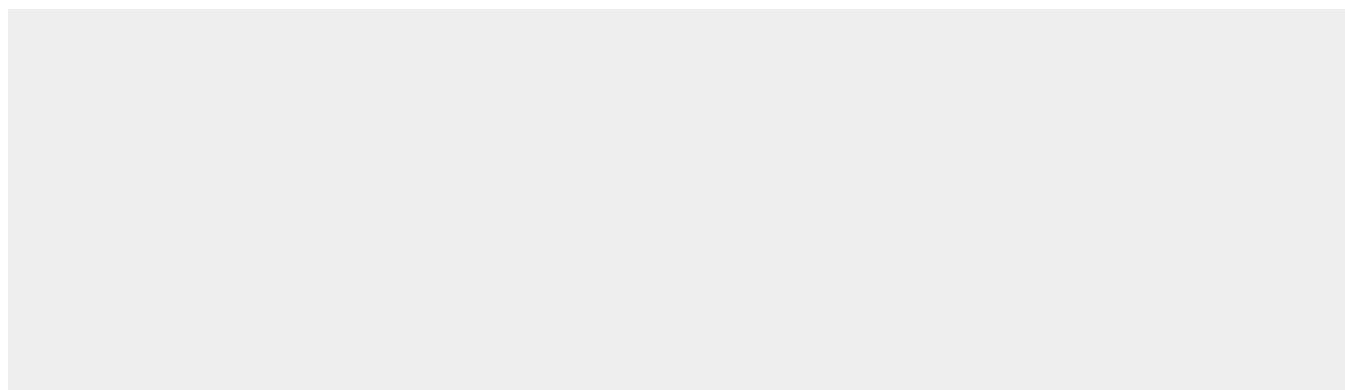
Nucleus

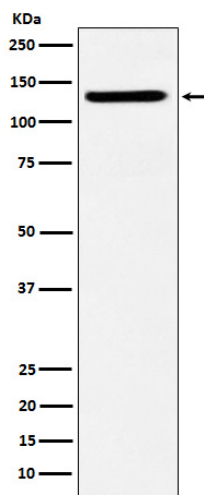
SF3B3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SF3B3 Antibody - Images





Western blot analysis of SF3B3 expression in HeLa cell lysate.