

# SF3B1 Rabbit mAb

Catalog # AP76709

## Product Information

Application	WB, IHC-P, IHC-F, ICC
Primary Accession	<a href="#">O75533</a>
Reactivity	Human, Mouse, Rat, Hamster
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	145830

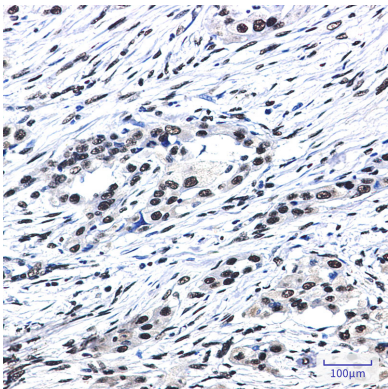
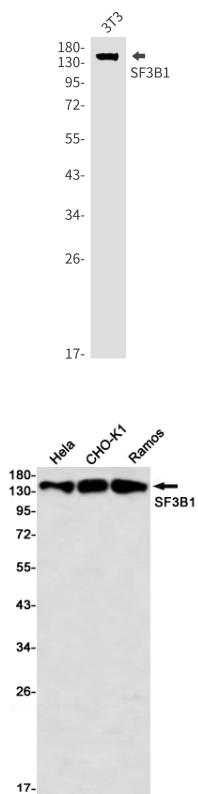
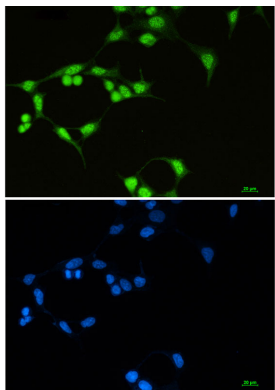
## Additional Information

Gene ID	23451
Other Names	SF3B1
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A ICC~~N/A
Format	Liquid

## Protein Information

Name	SF3B1 {ECO:0000303 PubMed:30567737, ECO:0000312 HGNC:HGNC:10768}
Function	<p>Component of the 17S U2 SnRNP complex of the spliceosome, a large ribonucleoprotein complex that removes introns from transcribed pre-mRNAs (PubMed:<a href="#">12234937</a>, PubMed:<a href="#">27720643</a>, PubMed:<a href="#">32494006</a>, PubMed:<a href="#">34822310</a>). 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:<a href="#">32494006</a>, PubMed:<a href="#">34822310</a>). Within the 17S U2 SnRNP complex, SF3B1 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:<a href="#">12234937</a>). 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:<a href="#">12234937</a>). May also be involved in the assembly of the 'E' complex (PubMed:<a href="#">10882114</a>). Also acts as a component of the minor spliceosome, which is involved in the splicing of U12-type introns in pre-mRNAs (PubMed:<a href="#">15146077</a>, PubMed:<a href="#">33509932</a>). Together with other U2 snRNP complex components may also play a role in the selective processing of microRNAs (miRNAs) from the long primary miRNA transcript, pri-miR-17-92 (By similarity).</p>
Cellular Location	Nucleus. Nucleus speckle. Note=During mitosis, transiently dispersed from the nuclear speckles to the cytoplasm

Images



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