



## Rabbit Anti-SF3B2 antibody

SL19679R

<b>Product Name:</b>	SF3B2
<b>Chinese Name:</b>	选择性剪接因子3B亚基2抗体
<b>Alias:</b>	Pre mRNA splicing factor SF3b 145 kDa subunit; SAP 145; SAP145; SF3b1; SF3B145; SF3b150; Spliceosome associated protein 145; Splicing factor 3b subunit 2 145kDa; Splicing factor 3b subunit 2.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cynomolgus Monkey, Rhesus monkey, Chinese Hamster
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	100kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SF3B2:301-400/895
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes subunit 2 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 2 associates with pre-mRNA upstream of the branch site at the anchoring site. Subunit 2 also interacts directly with subunit 4 of the splicing factor 3b complex. Subunit 2 is a highly hydrophilic protein with a proline-rich N-terminus and a glutamate-rich stretch in the C-terminus. [provided by RefSeq, Jul 2008]

**Function:**

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.

**Subunit:**

Identified in the spliceosome C complex. Component of the U11/U12 snRNPs that are part of the U12-type spliceosome. Component of splicing factor SF3B which is composed of at least eight subunits; SF3B1/SAP155/SF3B155, SF3B2/SAP145/SF3B145, SF3B3/SAP130/SF3B130, SF3B4/SAP49/SF3B49, SF3B14A, PHF5A/SF3B14B, SF3B10 and SF3B125. SF3B associates with the splicing factor SF3A and a 12S RNA unit to form the U2 small nuclear ribonucleoproteins complex (U2 snRNP). SF3B2 interacts directly with SF3B4. Interacts with HIV-1 Vpr

**Subcellular Location:**

Nuclear

**Similarity:**

Contains 1 SAP domain.

**SWISS:**

Q13435

**Gene ID:**

10992

**Database links:**

[Entrez Gene: 451343](#) Chimpanzee

[Entrez Gene: 531931](#) Cow

[Entrez Gene: 476015](#) Dog

[Entrez Gene: 100052173](#) Horse

[Entrez Gene: 10992](#) Human

[Entrez Gene: 319322](#) Mouse

[Entrez Gene: 100522004](#) Pig

[Entrez Gene: 293671](#) Rat

[Omim: 605591](#) Human

[SwissProt: Q13435](#) Human

[Unigene: 406423](#) Human

[Unigene: 196532](#) Mouse

[Unigene: 103341](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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