

## ARG56313 anti-SF3B2 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes SF3B2
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SF3B2
Species	Human
Immunogen	Recombinant protein of Human SF3B2
Conjugation	Un-conjugated
Alternate Names	Cus1; Spliceosome-associated protein 145; SF3b1; SAP145; Splicing factor 3B subunit 2; Pre-mRNA-splicing factor SF3b 145 kDa subunit; SF3b145; SF3b150; SAP 145; SF3B145

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	A375	

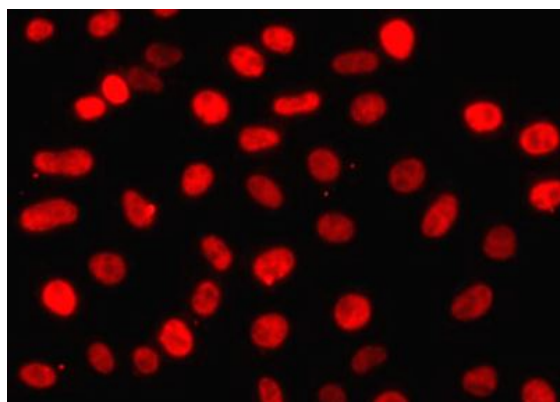
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

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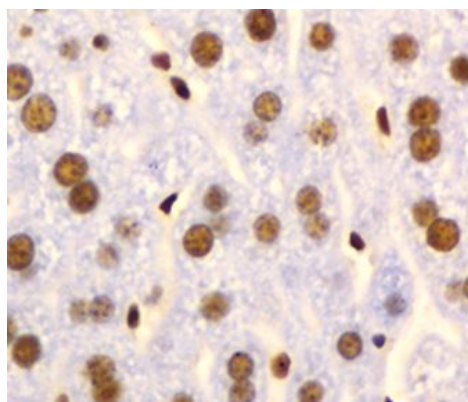
Database links	<a href="#">GeneID: 10992 Human</a> <a href="#">Swiss-port # Q13435 Human</a>
Gene Symbol	SF3B2
Gene Full Name	splicing factor 3b, subunit 2, 145kDa
Background	This gene encodes subunit 2 of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and 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. [UniProt]
Calculated Mw	100 kDa
PTM	Methylation at Arg-508 by PRMT9 is required for the interaction with SMN1.

## Images



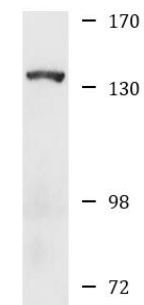
ARG56313 anti-SF3B2 antibody ICC/IF image

Immunofluorescence: MCF7 cells stained with ARG56313 anti-SF3B2 antibody.



ARG56313 anti-SF3B2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse liver stained with ARG56313 anti-SF3B2 antibody at 1:100 dilution.



A375

#### ARG56313 anti-SF3B2 antibody WB image

Western blot: A375 cell lysate stained with ARG56313 anti-SF3B2 antibody.