

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	

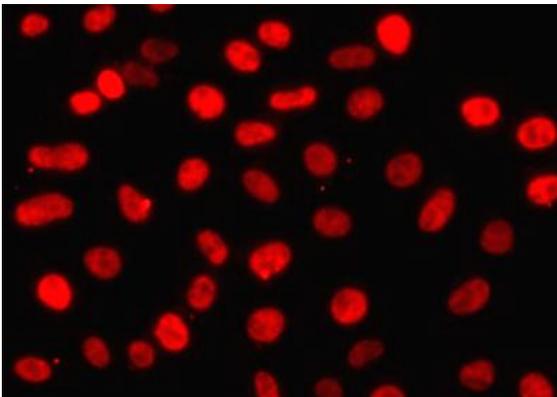
Properties

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.

Bioinformation

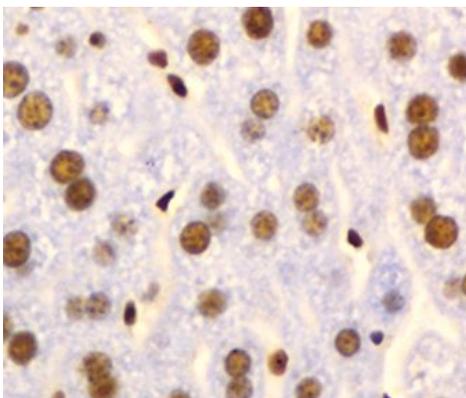
Database links	GeneID: 10992 Human Swiss-port # Q13435 Human
Gene Symbol	SF3B2
Gene Full Name	splicing factor 3b, subunit 2, 145kDa
Background	This gene encodes subunit 2 of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and a 12S RNA unit, forms the U2 small 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.

ARG56313 anti-SF3B2 antibody WB image

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

