



Rabbit Anti-SF3A1 antibody

SL19676R

Product Name:	SF3A1
Chinese Name:	选择性剪接因子3亚基1抗体
Alias:	Pre mRNA processing 21; Pre mRNA splicing factor SF3a; PRP21; PRPF21; SAP 114; SAP114; sf3a1; SF3A1_HUMAN; SF3A120; Spliceosome associated protein 114; Spliceosome-associated protein 114; Splicing factor 3 subunit 1; Splicing factor 3a subunit 1 120kDa; Splicing factor 3a subunit 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Zebrafish,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	89kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SF3A1:451-550/793
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	This gene encodes a subunit of the splicing factor 3a protein complex. The splicing factor 3a heterotrimer is a component of the mature U2 small nuclear ribonucleoprotein particle (snRNP). U2 small nuclear ribonucleoproteins play a critical role in spliceosome assembly and pre-mRNA splicing. [provided by RefSeq, Aug 2014]

Function:

Subunit of the splicing factor SF3A 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.

Subunit:

Nucleus.

Tissue Specificity:

Ubiquitously expressed.

Post-translational modifications:

Phosphorylated upon DNA damage, probably by ATM or ATR.

Similarity:

Contains 2 SURP motif repeats.

Contains 1 ubiquitin-like domain.

SWISS:

Q15459

Gene ID:

10291

Database links:

[Entrez Gene: 10291](#) Human

[Entrez Gene: 67465](#) Mouse

[Omim: 605595](#) Human

[SwissProt: Q15459](#) Human

[SwissProt: Q8K4Z5](#) Mouse

[Unigene: 406277](#) Human

[Unigene: 505597](#) Human

[Unigene: 156914](#) Mouse

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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