



Rabbit Anti-SF3A3 antibody

SL19677R

Product Name:	SF3A3
Chinese Name:	选择性剪接因子3亚基3抗体
Alias:	Pre mRNA splicing factor SF3a (60kD); Pre mRNA splicing factor SF3a; PRP 9; PRP9; PRPF 9; PRPF9; SAP 61; SAP61; SF3A3; SF3a60; Spliceosome associated protein 61; Splicing factor 3a subunit 3 60kDa; Splicing factor 3a subunit 3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
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:	59kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SF3A3:21-120/501
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 subunit 3 of the splicing factor 3a protein complex. The splicing factor 3a heterotrimer includes subunits 1, 2 and 3 and is necessary for the in vitro conversion of 15S U2 snRNP into an active 17S particle that performs pre-mRNA splicing. Subunit 3 interacts with subunit 1 through its amino-terminus while the zinc finger domain of subunit 3 plays a role in its binding to the 15S U2 snRNP. This gene

has a pseudogene on chromosome 20. [provided by RefSeq, Jul 2008]

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:

Identified in the spliceosome C complex. Component of splicing factor SF3A which is composed of three subunits; SF3A3/SAP61, SF3A2/SAP62, SF3A1/SAP114. SF3A associates with the splicing factor SF3B and a 12S RNA unit to form the U2 small nuclear ribonucleoproteins complex (U2 snRNP). Interacts with SF3A1, through its N-terminal region.

Subcellular Location:

Nucleus speckle.

Tissue Specificity:

Ubiquitous.

Similarity:

Belongs to the SF3A3 family.

SWISS:

Q12874

Gene ID:

10946

Database links:

[Entrez Gene: 419608](#) Chicken

[Entrez Gene: 523250](#) Cow

[Entrez Gene: 475326](#) Dog

[Entrez Gene: 10946](#) Human

[Entrez Gene: 75062](#) Mouse

[Entrez Gene: 100512288](#) Pig

[Entrez Gene: 313583](#) Rat

[Entrez Gene: 495359](#) Xenopus laevis

[Entrez Gene: 446168](#) Zebrafish

[Oimim: 605596](#) Human

[SwissProt: Q12874](#) Human

[SwissProt: Q9D554](#) Mouse

[Unigene: 77897](#) Human

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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