



## Rabbit Anti-SAP62 antibody

SL6997R

<b>Product Name:</b>	SAP62
<b>Chinese Name:</b>	剪接体相关蛋白62抗体
<b>Alias:</b>	PRPF11; SF3a66; SAP 62; SAP-62; Spliceosome-associated protein 62; splicing factor 3a subunit 2; SF3A2 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (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>	49kDa
<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 SAP62:65-160/464
<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>	SAP 62, also known as SF3A2 (Splicing factor 3A subunit 2), PRP11, PRPF11 or SF3a66, is a 464 amino acid protein that contains one matrin-type zinc finger and belongs to the SF3A2 family. Localized to the nucleus, SAP 62 is a subunit of the SF3A splicing factor, a heterotrimeric complex comprised of three subunits that act in tandem to mediate the binding of U2 snRNP to the branchpoint sequence (BPS) in pre-mRNA. The SF3A complex is necessary for the conversion of 15S U2 snRNP into the active 17S

protein that performs directly in pre-mRNA splicing events. Functioning as the second subunit of the complex, SAP 62 interacts with subunit 1 (SAP 114) via its N-terminus while simultaneously binding to 15S U2 snRNP via its zinc finger domain. In addition to its role in RNA splicing, SAP 62 is thought to act independently as a microtubule-binding protein.

**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:**

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). Identified in the spliceosome C complex. Interacts with HTATSF1.

**Subcellular Location:**

Nuclear

**Tissue Specificity:**

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). Identified in the spliceosome C complex. Interacts with HTATSF1.

**Similarity:**

Belongs to the SF3A2 family.  
Contains 1 matrin-type zinc finger.

**SWISS:**

Q15428

**Gene ID:**

8175

**Database links:**

[Entrez Gene: 8175](#)Human

[Entrez Gene: 20222](#)Mouse

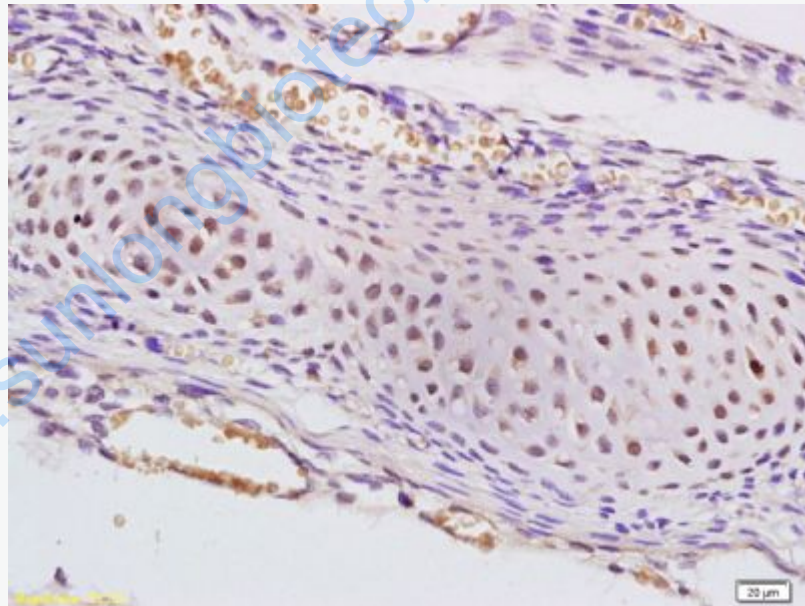
[Entrez Gene: 299620](#)Rat

[Oimim: 600796](#)Human  
[SwissProt: Q15428](#)Human  
[SwissProt: Q62203](#)Mouse  
[SwissProt: Q6AXT8](#)Rat  
[Unigene: 115232](#)Human  
[Unigene: 358633](#)Mouse  
[Unigene: 102569](#)Rat

**Important Note:**

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

**Picture:**



Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-SAP62 Polyclonal Antibody, Unconjugated(SL6997R) 1:200,  
overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and  
DAB(C-0010) staining

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