

# SF3A3 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI11784

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q12874</a>
<b>Other Accession</b>	<a href="#">NM_006802</a> , <a href="#">NP_006793</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine, Yeast
<b>Predicted</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	58849

## Additional Information

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<b>Gene ID</b>	10946
<b>Alias Symbol</b>	PRP9, PRPF9, SAP61, SF3a60
<b>Other Names</b>	Splicing factor 3A subunit 3, SF3a60, Spliceosome-associated protein 61, SAP 61, SF3A3, SAP61
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 50 ul of distilled water. Final anti-SF3A3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	SF3A3 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	SF3A3
<b>Synonyms</b>	SAP61
<b>Function</b>	Component of the 17S U2 SnRNP complex of the spliceosome, a large ribonucleoprotein complex that removes introns from transcribed pre-mRNAs (PubMed: <a href="#">10882114</a> , PubMed: <a href="#">11533230</a> , PubMed: <a href="#">32494006</a> , PubMed: <a href="#">34822310</a> , PubMed: <a href="#">8022796</a> ). The 17S U2 SnRNP complex (1) directly participates in early spliceosome assembly and (2) mediates recognition of the intron branch site during pre-mRNA splicing by promoting the selection of the pre-mRNA branch-site adenosine, the nucleophile for the first step of splicing (PubMed: <a href="#">10882114</a> , PubMed: <a href="#">11533230</a> , PubMed: <a href="#">32494006</a> ,

PubMed:[34822310](#)). Within the 17S U2 SnRNP complex, SF3A3 is part of the SF3A subcomplex that contributes to the assembly of the 17S U2 snRNP, and the subsequent assembly of the pre-spliceosome 'E' complex and the pre-catalytic spliceosome 'A' complex (PubMed:[10882114](#), PubMed:[11533230](#)). Involved in pre-mRNA splicing as a component of pre-catalytic spliceosome 'B' complexes (PubMed:[29360106](#), PubMed:[30315277](#)).

**Cellular Location** Nucleus speckle. Nucleus

**Tissue Location** Ubiquitous..

## References

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Ewing, R.M., Mol. Syst. Biol. 3, 89 (2007) Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images

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WB Suggested Anti-SF3A3 Antibody Titration: 0.2-1 µg/ml  
ELISA Titer: 1:12500  
Positive Control: 721\_B cell lysate  
SF3A3 is supported by BioGPS gene expression data to be expressed in 721\_B

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.