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# SF3A3 Antibody

Rabbit mAb
Catalog # AP92933

## Product Information

| | |
|---|---|
| **Application** | WB, IHC, IF, ICC, IHF |
| **Primary Accession** | Q12874 |
| **Reactivity** | Rat, Human, Mouse |
| **Clonality** | Monoclonal |
| **Other Names** | SF3A3; PRP9; PRPF9; SAP61; SF3a60; |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Calculated MW** | 58849 |

## Additional Information

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|---|---|
| **Dilution** | WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 |
| **Purification** | Affinity-chromatography |
| **Immunogen** | A synthesized peptide derived from human SF3A3 |
| **Description** | SF3A3 is subunit 3 of the splicing factor SF3A. Splicing factor 3a is a heterotrimer consisting of subunits 1, 2 and 3, and is necessary for the conversion of 15S U2 snRNP into an active 17S particle that performs pre-mRNA splicing. SF3A interacts with the pre-mRNA branch site early during spliceosome formation. |
| **Storage Condition and Buffer** | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

## Protein Information

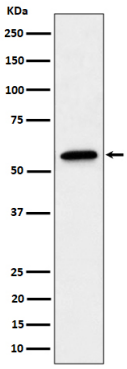
| | |
|---|---|
| **Name** | SF3A3 |
| **Synonyms** | SAP61 |
| **Function** | Component of the 17S U2 SnRNP complex of the spliceosome, a large ribonucleoprotein complex that removes introns from transcribed pre-mRNAs (PubMed:10882114, PubMed:11533230, PubMed:32494006, PubMed:34822310, PubMed:8022796). 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:10882114, PubMed:11533230, PubMed:32494006, 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..

## Images




Western blot analysis of SF3A3 expression in A431 cell lysate.

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