

# Anti-SF3A3 Rabbit Monoclonal Antibody

Catalog # ABO16393

## Product Information

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|--------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC                                                                                                             |
| <b>Primary Accession</b> | <a href="#">Q12874</a>                                                                                                       |
| <b>Host</b>              | Rabbit                                                                                                                       |
| <b>Isotype</b>           | IgG                                                                                                                          |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                            |
| <b>Clonality</b>         | Monoclonal                                                                                                                   |
| <b>Format</b>            | Liquid                                                                                                                       |
| <b>Description</b>       | Anti-SF3A3 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat. |

## Additional Information

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|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                         | 10946                                                                                                                                      |
| <b>Other Names</b>                     | Splicing factor 3A subunit 3, SF3a60, Spliceosome-associated protein 61, SAP 61, SF3A3, SAP61                                              |
| <b>Calculated MW</b>                   | 58849                                                                                                                                      |
| <b>Application Details</b>             | WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200                                                                                     |
| <b>Source</b>                          | Eukaryota                                                                                                                                  |
| <b>Contents</b>                        | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                        |
| <b>Clone Names</b><br><b>Immunogen</b> | Clone: 29S29<br>A synthesized peptide derived from human SF3A3                                                                             |
| <b>Purification</b>                    | Affinity-chromatography                                                                                                                    |
| <b>Storage</b>                         | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles. |

## 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:[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**

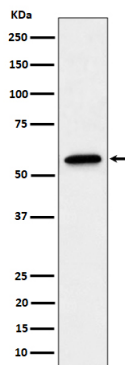
Nucleus speckle. Nucleus

**Tissue Location**

Ubiquitous..

## Images

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Western blot analysis of SF3A3 expression in A431 cell lysate.

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