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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

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

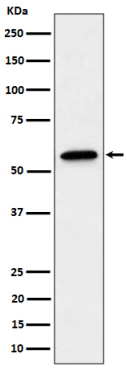
Name	SF3A3
Synonyms	SAP61
Function	Component of the 17S U2 SnRNP complex of the spliceosome, a large ribonucleoprotein complex that removes introns from transcribed pre-mRNAs (PubMed:10882114, PubMed:11533230, PubMed:32494006, PubMed:34822310, PubMed:8022796). The 17S U2 SnRNP complex (1) directly participates 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.

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