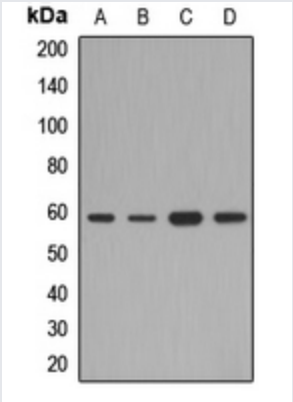
SAP61 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SAP61, Polyclonal Antibody
Full Product Name	Anti-SAP61 Antibody
Product Gene Name	anti-SAP61 antibody
Product Synonym Gene Name	SF3A3
Product Synonym Names	SAP61; Splicing factor 3A subunit 3; SF3a60; Spliceosome-associated protein 61; SAP 61
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	Purified by immunogen affinity chromatography
Specificity	Recognizes endogenous levels of SAP61 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	58,849 Da
OMIM	U08815 mRNA
3D Structure	ModBase 3D Structure for Q12874
Immunogen	Recombinant full length protein of human SAP61
Applications Tested/Suitable for anti-SAP61 antibody	Western Blot (WB)
Application Notes for anti-SAP61 antibody	WB: 1/500 - 1/2000
Related Product Information for anti-SAP61 antibody	MBS8292133 is an antibody targeting SAP61. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to SAP61
Other Notes	Small volumes of anti-SAP61 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-SAP61 antibody
Western blot analysis of SAP61 expression in A549 (A), HepG2 (B), mouse lung (C), rat liver (D) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SAP61. It may not necessarily be applicable to this product.

NCBI GI #	5803167
NCBI GeneID	10946
NCBI Accession #	NP_006793.1
UniProt Primary Accession #	Q12874
UniProt Secondary Accession #	Q15460; Q5VT87; D3DPT5
UniProt Related Accession #	Q12874
GenBank Nucleotide #	NM_006802.3
NCBI Official Full Name	splicing factor 3A subunit 3 isoform 1
NCBI Official Synonym Full Names	splicing factor 3a subunit 3
NCBI Official Symbol	SF3A3
NCBI Official Synonym Symbols	PRP9; PRPF9; SAP61; SF3a60
UniProt Protein Name	Splicing factor 3A subunit 3
UniProt Synonym Protein Names	SF3a60; Spliceosome-associated protein 61; SAP 61
Protein Family	Pre-mRNA-splicing factor
UniProt Gene Name	SF3A3
UniProt Synonym Gene Names	SAP61; SAP 61
NCBI Protein Information	splicing factor 3A subunit 3
NCBI Summary for SAP61	This gene encodes subunit 3 of the splicing factor 3a protein complex. The splicing factor 3a heterotrimer includes subunits 1, 2 and 3 and is necessary for the in vitro conversion of 15S U2 snRNP into an active 17S particle that performs pre-mRNA splicing. Subunit 3 interacts with subunit 1 through its amino-terminus while the zinc finger domain of subunit 3 plays a role in its binding to the 15S U2 snRNP. This gene has a pseudogene on chromosome 20. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]
UniProt Comments for SAP61	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.

Research Articles on SAP61	**1.** The interaction between CSR1 and SF3A3 led to migration of SF3A3 from nucleus to cytoplasm. The cytoplasmic redistribution of SF3A3 significantly reduced the splicing efficiency of epidermal growth factor receptor and platelet-derived growth factor receptor.
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