

# SAP 49 rabbit pAb

Cat No.:ES4446

For research use only

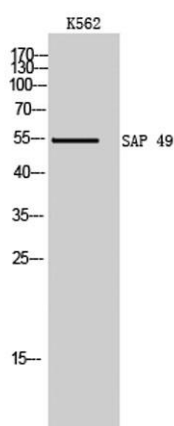
## Overview

Product Name	SAP 49 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human SF3B4. AA range:61-110
Specificity	SAP 49 Polyclonal Antibody detects endogenous levels of SAP 49 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Splicing factor 3B subunit 4
Gene Name	SF3B4
Cellular localization	Nucleus .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	55kD
Human Gene ID	10262
Human Swiss-Prot Number	Q15427
Alternative Names	SF3B4; SAP49; Splicing factor 3B subunit 4; Pre-mRNA-splicing factor SF3b 49 kDa subunit; SF3b50; Spliceosome-associated protein 49; SAP 49
Background	This gene encodes one of four subunits of the splicing factor 3B. The protein encoded by this gene cross-links to a region in the pre-mRNA immediately upstream of the branchpoint sequence in pre-mRNA

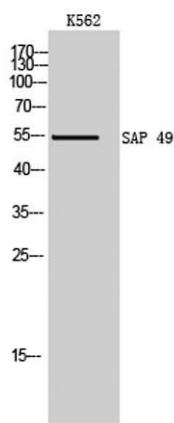




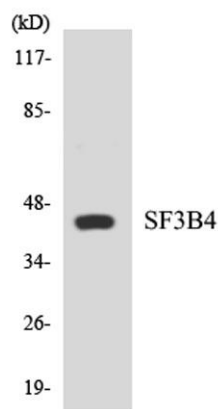
in the prespliceosomal complex A. It also may be involved in the assembly of the B, C and E spliceosomal complexes. In addition to RNA-binding activity, this protein interacts directly and highly specifically with subunit 2 of the splicing factor 3B. This protein contains two N-terminal RNA-recognition motifs (RRMs), consistent with the observation that it binds directly to pre-mRNA. [provided by RefSeq, Jul 2008],



Western Blot analysis of K562 cells using SAP 49  
Polyclonal Antibody cells nucleus extracted by Minute TM  
Cytoplasmic and Nuclear Fractionation kit  
(SC-003, Inventbiotech, MN, USA).



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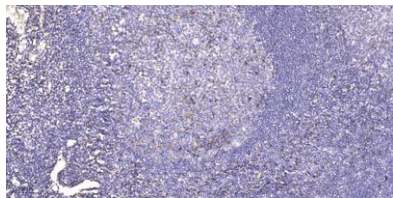


Western blot analysis of the lysates from 293 cells using  
SF3B4 antibody.





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Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



+86-27-59760950

[ELKbio@ELKbiotech.com](mailto:ELKbio@ELKbiotech.com)

[www.elkbiotech.com](http://www.elkbiotech.com)

23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C