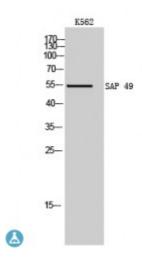


Anti-SAP 49 antibody



Description Rabbit polyclonal to SAP 49.

Model STJ95576

Host Rabbit

Reactivity Human, Mouse, Rat

Applications ELISA, IHC, WB

Immunogen Synthesized peptide derived from human SAP 49

Immunogen Region 30-110 aa, Internal

Gene ID <u>10262</u>

Gene Symbol SF3B4

Dilution range WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000

Specificity SAP 49 Polyclonal Antibody detects endogenous levels of SAP 49 protein.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Note For Research Use Only (RUO).

Protein Name Splicing factor 3B subunit 4 Pre-mRNA-splicing factor SF3b 49 kDa subunit

Spliceosome-associated protein 49 SAP 49

Molecular Weight 55 kDa

Clonality Polyclonal

Conjugation Unconjugated

Isotype IgG

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links <u>HGNC:10771OMIM:154400</u>

Alternative Names Splicing factor 3B subunit 4 Pre-mRNA-splicing factor SF3b 49 kDa subunit

Spliceosome-associated protein 49 SAP 49

Function Subunit of the splicing factor SF3B required for 'A' complex assembly formed

by the stable binding of U2 snRNP to the branchpoint sequence (BPS) in premRNA. 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. SF3B4 has been found in complex 'B' and 'C' as well. Belongs also to the minor U12-dependent spliceosome, which is involved in the splicing of rare class of nuclear pre-

mRNA intron.

Cellular Localization Nucleus

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