



# SAP 155 Monoclonal Antibody

<b>Catalog No</b>	BYmab-02215
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	SF3B1
<b>Protein Name</b>	Splicing factor 3B subunit 1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human SAP 155. AA range:75-124
<b>Specificity</b>	SAP 155 Monoclonal Antibody detects endogenous levels of SAP 155 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	SF3B1; SAP155; Splicing factor 3B subunit 1; Pre-mRNA-splicing factor SF3b 155 kDa subunit; SF3b155; Spliceosome-associated protein 155; SAP 155
<b>Observed Band</b>	145kD
<b>Cell Pathway</b>	Nucleus . Nucleus speckle. During mitosis, transiently dispersed from the nuclear speckles to the cytoplasm.
<b>Tissue Specificity</b>	Brain,Epithelium,Pooled,Testis,Uterus,
<b>Function</b>	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 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. Belongs also to the minor U12-dependent spliceosome, which is involved in the splicing of rare class of nuclear pre-mRNA intron.,PTM:Phosphorylated. Phosphorylation occurs concomitantly with the splicing catalytic steps. Phosphorylation on Thr-244, Thr-248 and Thr-313 by cyclin-dependent kinases promotes interaction with PPP1R8 during mitosis.,similarity:Belongs to the SF3B1

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family.,similarity:Contains 11 HEAT repeats.,subcellular location:During mitosis, transiently dispersed from the nuclear speckles to the cytoplasm.,subunit:Identified

### Background

This gene encodes subunit 1 of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and a 12S RNA unit, forms the U2 small nuclear ribonucleoproteins complex (U2 snRNP). The splicing factor 3b/3a complex binds pre-mRNA upstream of the intron's branch site in a sequence independent manner and may anchor the U2 snRNP to the pre-mRNA. Splicing factor 3b is also a component of the minor U12-type spliceosome. The carboxy-terminal two-thirds of subunit 1 have 22 non-identical, tandem HEAT repeats that form rod-like, helical structures. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008],

### matters needing attention

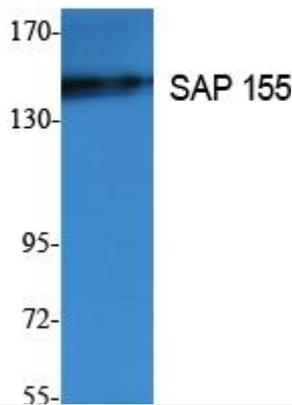
Avoid repeated freezing and thawing!

### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images

(kD)



Western Blot analysis of various cells using SAP 155 Monoclonal Antibody

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