

**SNRPB Antibody (N-term R49)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2959a****Specification**

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**SNRPB Antibody (N-term R49) - Product Information**

Application	FC, WB,E
Primary Accession	<a href="#">P14678</a>
Other Accession	<a href="#">P17136</a> , <a href="#">P27048</a> , <a href="#">Q58DW4</a>
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	24610
Antigen Region	34-65

**SNRPB Antibody (N-term R49) - Additional Information****Gene ID** 6628**Other Names**

Small nuclear ribonucleoprotein-associated proteins B and B', snRNP-B, Sm protein B/B', Sm-B/B', SmB/B', SNRPB, COD, SNRPB1

**Target/Specificity**

This SNRPB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 34-65 amino acids from the N-terminal region of human SNRPB.

**Dilution**

FC~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

SNRPB Antibody (N-term R49) is for research use only and not for use in diagnostic or therapeutic procedures.

**SNRPB Antibody (N-term R49) - Protein Information**

**Name** SNRPB**Synonyms** COD, SNRPB1

**Function** Plays a role in pre-mRNA splicing as a core component of the spliceosomal U1, U2, U4 and U5 small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome (PubMed:[11991638](#), PubMed:[18984161](#), PubMed:[19325628](#), PubMed:[25555158](#), PubMed:[26912367](#), PubMed:[28076346](#), PubMed:[28502770](#), PubMed:[28781166](#), PubMed:[32494006](#)). Component of both the pre-catalytic spliceosome B complex and activated spliceosome C complexes (PubMed:[11991638](#), PubMed:[28076346](#), PubMed:[28502770](#), PubMed:[28781166](#)). As a component of the minor spliceosome, involved in the splicing of U12-type introns in pre-mRNAs (PubMed:[15146077](#)). As part of the U7 snRNP it is involved in histone pre-mRNA 3'-end processing (PubMed:[12975319](#)).

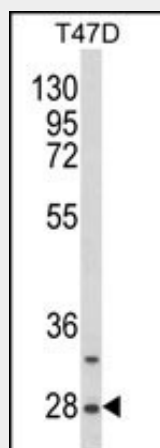
**Cellular Location**

Cytoplasm, cytosol. Nucleus. Note=SMN- mediated assembly into core snRNPs occurs in the cytosol before SMN- mediated transport to the nucleus to be included in spliceosomes

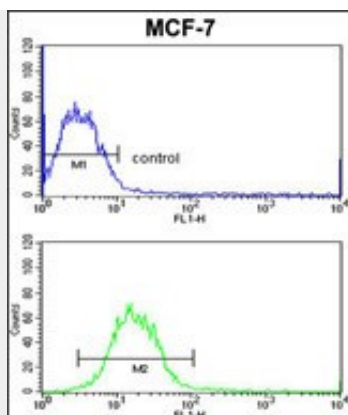
**SNRPB Antibody (N-term R49) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SNRPB Antibody (N-term R49) - Images**

Western blot analysis of SNRPB Antibody (N-term R49) (Cat. #AP2959a) in T47D cell line lysates (35ug/lane). SNRPB (arrow) was detected using the purified Pab.



SNRPB Antibody (N-term R49) (Cat. #AP2959a) flow cytometric analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### **SNRPB Antibody (N-term R49) - Background**

SNRPB is one of several nuclear proteins that are found in common among U1, U2, U4/U6, and U5 small ribonucleoprotein particles (snRNPs). These snRNPs are involved in pre-mRNA splicing, and the encoded protein may also play a role in pre-mRNA splicing or snRNP structure. Autoantibodies from patients with systemic lupus erythematosus frequently recognize epitopes on the encoded protein.

#### **SNRPB Antibody (N-term R49) - References**

Elkon, K.B., et al., J. Immunol. 145 (2), 636-643 (1990)  
 Chu, J.L. et al., Gene 97 (2), 311-312 (1991)

#### **SNRPB Antibody (N-term R49) - Citations**

- [Identification of a CARM1 Inhibitor with Potent In Vitro and In Vivo Activity in Preclinical Models of Multiple Myeloma.](#)