

SNRPB Antibody (N-term R49)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP2959a

Product Information

Application	WB, FC, E
Primary Accession	P14678
Other Accession	P17136 , P27048 , Q58DW4
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB17338
Calculated MW	24610
Antigen Region	34-65

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	WB~~1:1000 FC~~1:10~50 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.

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

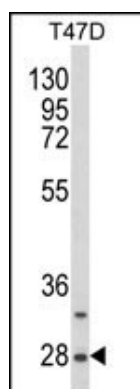
Background

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.

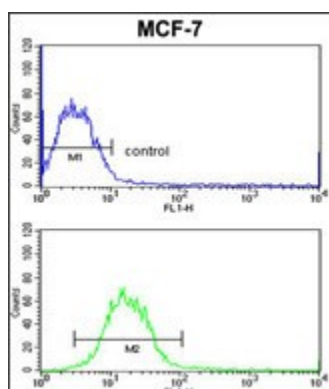
References

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

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.

Citations

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.