

SNRPB Antibody (N-term R49) Blocking Peptide
Synthetic peptide
Catalog # BP2959a**Specification**

SNRPB Antibody (N-term R49) Blocking Peptide - Product InformationPrimary Accession [P14678](#)**SNRPB Antibody (N-term R49) Blocking Peptide - 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

The synthetic peptide sequence used to generate the antibody [AP2959a](#) was selected from the N-term region of human SNRPB. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SNRPB Antibody (N-term R49) Blocking Peptide - 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](http://www.uniprot.org/citations/11991638), PubMed: [18984161](http://www.uniprot.org/citations/18984161), PubMed: [19325628](http://www.uniprot.org/citations/19325628), PubMed: [25555158](http://www.uniprot.org/citations/25555158), PubMed: [26912367](http://www.uniprot.org/citations/26912367), PubMed: [28502770](http://www.uniprot.org/citations/28502770), PubMed: [28781166](http://www.uniprot.org/citations/28781166)).

href="http://www.uniprot.org/citations/28076346" target="_blank">28076346, PubMed:32494006). Component of both the pre-catalytic spliceosome B complex and activated spliceosome C complexes (PubMed:11991638, PubMed:28502770, PubMed:28781166, PubMed:28076346). 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SNRPB Antibody (N-term R49) Blocking Peptide - Images

SNRPB Antibody (N-term R49) Blocking Peptide - 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) Blocking Peptide - References

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