

SNRPD1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP2842c**Specification**

SNRPD1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P62314](#)**SNRPD1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 6632**Other Names**

Small nuclear ribonucleoprotein Sm D1, Sm-D1, Sm-D autoantigen, snRNP core protein D1, SNRPD1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2842c](/products/AP2842c) was selected from the Center region of human SNRPD1. 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.

SNRPD1 Antibody (Center) Blocking Peptide - Protein Information**Name** SNRPD1**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: [23333303](http://www.uniprot.org/citations/23333303), 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), PubMed: [28076346](http://www.uniprot.org/citations/28076346)).

href="http://www.uniprot.org/citations/32494006" target="_blank">32494006). Component of both the pre-catalytic spliceosome B complex and activated spliceosome C complexes (PubMed:11991638, PubMed:26912367, 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). May act as a charged protein scaffold to promote snRNP assembly or strengthen snRNP-snRNP interactions through non-specific electrostatic contacts with RNA (PubMed:23333303).

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

SNRPD1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SNRPD1 Antibody (Center) Blocking Peptide - Images

SNRPD1 Antibody (Center) Blocking Peptide - Background

SNRPD1 is a small nuclear ribonucleoprotein that belongs to the SNRNP core protein family. This protein may act as a charged protein scaffold to promote SNRNP assembly or strengthen SNRNP-SNRNP interactions through nonspecific electrostatic contacts with RNA.

SNRPD1 Antibody (Center) Blocking Peptide - References

Lehner,B., Genome Res. 14 (7), 1315-1323 (2004)Will,C.L., RNA 10 (6), 929-941 (2004)