

SNRPD3 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9280b**Specification**

SNRPD3 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P62318](#)**SNRPD3 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 6634**Other Names**

Small nuclear ribonucleoprotein Sm D3, Sm-D3, snRNP core protein D3, SNRPD3

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9280b](/products/AP9280b) was selected from the C-term region of human SNRPD3. 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.

SNRPD3 Antibody (C-term) Blocking Peptide - Protein Information**Name** SNRPD3**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), PubMed: [28076346](http://www.uniprot.org/citations/28076346), PubMed: [32494006](http://www.uniprot.org/citations/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, PubMed:33509932). As part of the U7 snRNP it is involved in histone pre-mRNA 3'-end processing (By similarity).

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

SNRPD3 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SNRPD3 Antibody (C-term) Blocking Peptide - Images**SNRPD3 Antibody (C-term) Blocking Peptide - Background**

The protein belongs to the small nuclear ribonucleoprotein core protein family. It is required for pre-mRNA splicing and small nuclear ribonucleoprotein biogenesis.

SNRPD3 Antibody (C-term) Blocking Peptide - References

Gonsalvez,G.B., et.al., J. Cell Biol. 178 (5), 733-740 (2007)Ma,Y., et.al., Structure 13 (6), 883-892 (2005)Mahler,M., et.al., Arthritis Res. Ther. 7 (1), R19-R29 (2005)