

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

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**SNRPD3 Antibody (C-term) Blocking Peptide - Product Information**Primary 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: [28076346](http://www.uniprot.org/citations/28076346), PubMed: [28502770](http://www.uniprot.org/citations/28502770), PubMed: [28781166](http://www.uniprot.org/citations/28781166), PubMed: [32494006](http://www.uniprot.org/citations/32494006)). Component of both the pre-catalytic spliceosome B complex and activated spliceosome C complexes

(PubMed:<a href="http://www.uniprot.org/citations/11991638" target="\_blank">11991638</a>, PubMed:<a href="http://www.uniprot.org/citations/28076346" target="\_blank">28076346</a>, PubMed:<a href="http://www.uniprot.org/citations/28502770" target="\_blank">28502770</a>, PubMed:<a href="http://www.uniprot.org/citations/28781166" target="\_blank">28781166</a>). As a component of the minor spliceosome, involved in the splicing of U12-type introns in pre-mRNAs (PubMed:<a href="http://www.uniprot.org/citations/15146077" target="\_blank">15146077</a>, PubMed:<a href="http://www.uniprot.org/citations/33509932" target="\_blank">33509932</a>). 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)