

**SNRPD3 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12451A****Specification**

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**SNRPD3 Antibody (N-term) - Product Information**

Application	IHC-P-Leica, WB,E
Primary Accession	<a href="#">P62318</a>
Other Accession	<a href="#">P62323</a> , <a href="#">P62320</a> , <a href="#">O44437</a> , <a href="#">NP_004166.1</a>
Reactivity	Human, Mouse
Predicted	Drosophila, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	9-38

**SNRPD3 Antibody (N-term) - Additional Information****Gene ID** 6634**Other Names**

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

**Target/Specificity**

This SNRPD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 9-38 amino acids from the N-terminal region of human SNRPD3.

**Dilution**

IHC-P-Leica~~1:1000

WB~~1:2000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**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**

SNRPD3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SNRPD3 Antibody (N-term) - 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](#), 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](#), PubMed:[33509932](#)). As part of the U7 snRNP it is involved in histone pre-mRNA 3'-end processing (By similarity).

#### Cellular Location

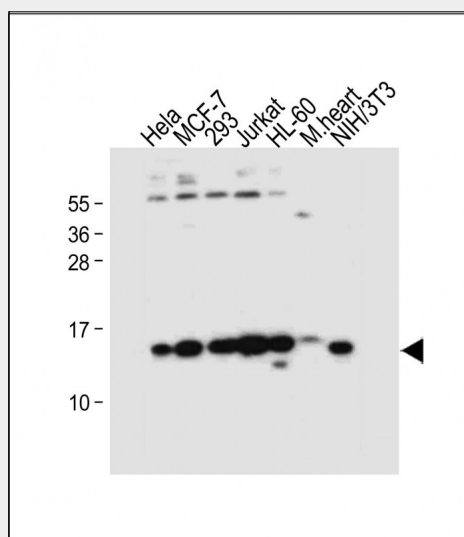
Cytoplasm, cytosol. Nucleus. Note=SMN- mediated assembly into core snRNPs occurs in the cytosol before SMN- mediated transport to the nucleus to be included in spliceosomes

#### SNRPD3 Antibody (N-term) - Protocols

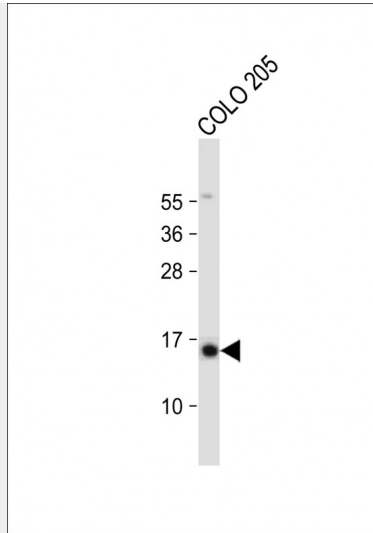
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

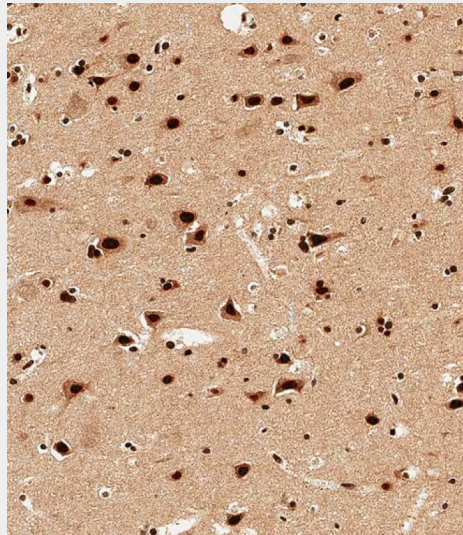
#### SNRPD3 Antibody (N-term) - Images



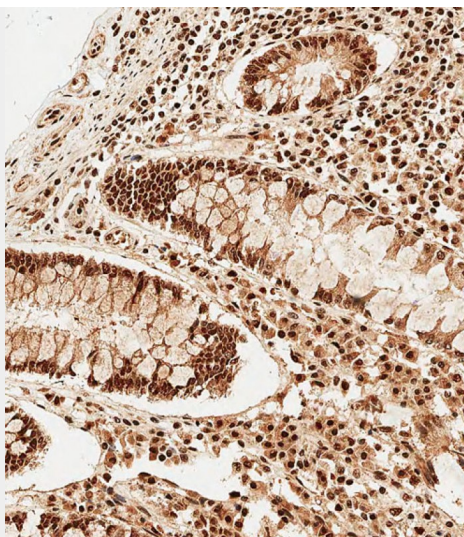
All lanes : Anti-SNRPD3 Antibody (N-term) at 1:4000 dilution Lane 1: HeLa whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: 293 whole cell lysate Lane 4: Jurkat whole cell lysate Lane 5: HL-60 whole cell lysate Lane 6: Mouse heart tissue lysate Lane 7: NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 14 kDa Blocking/Dilution buffer: 5% NFD/MTBST.



Anti-SNRPD3 Antibody (N-term) at 1:2000 dilution + COLO 205 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 14 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemical analysis of paraffin-embedded Human brain tissue using AP12451A performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:1000) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Immunohistochemical analysis of paraffin-embedded Human colon tissue using AP12451A performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:1000) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

#### **SNRPD3 Antibody (N-term) - Background**

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

#### **SNRPD3 Antibody (N-term) - 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) :  
Ong, S.E., et al. Nat. Methods 1(2):119-126(2004)  
Ong, S.E., et al. Nat. Methods 1(2):119-126(2004)

#### **SNRPD3 Antibody (N-term) - Citations**

- [A novel small-molecule antagonizes PRMT5-mediated KLF4 methylation for targeted therapy.](#)
- [A selective inhibitor of PRMT5 with in vivo and in vitro potency in MCL models.](#)