

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

Specification

SNRPD3 Antibody (N-term) - Product Information

Application	WB, IHC-P-Leica,E
Primary Accession	P62318
Other Accession	P62323 , P62320 , O44437 , NP_004166.1
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

WB~~1:2000

IHC-P-Leica~~1:1000

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:[28502770](#), PubMed:[28781166](#), PubMed:[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](#), PubMed:[33509932](#)). As part of the U7 snRNP it is involved in histone pre-mRNA 3'-end processing (By similarity).

Cellular Location

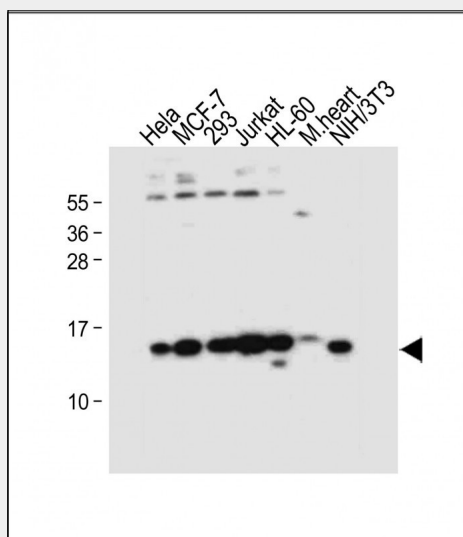
Cytoplasm, cytosol. Nucleus. Note=SMN- mediated assembly into core snRNPs occurs in the cytosol before SMN- mediated transport to the nucleus to be included in spliceosomes

SNRPD3 Antibody (N-term) - Protocols

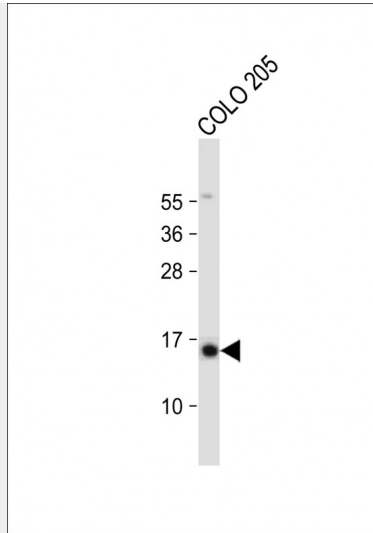
Provided below are standard protocols that you may find useful for product applications.

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

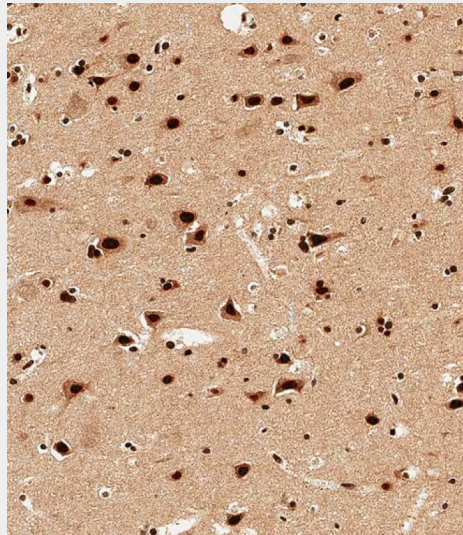
SNRPD3 Antibody (N-term) - Images



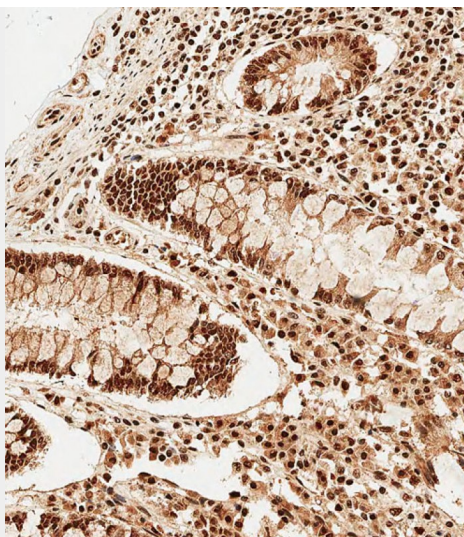
All lanes : Anti-SNRPD3 Antibody (N-term) at 1:4000 dilution Lane 1: HeLa whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: 293 whole cell lysate Lane 4: Jurkat whole cell lysate Lane 5: HL-60 whole cell lysate Lane 6: Mouse heart tissue lysate Lane 7: NIH/3T3 whole cell lysate Lysates/proteins 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% NFDM/TBST.



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.](#)