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SNRPD2 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6841a

Specification

SNRPD2 Antibody (N-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P62316
Other Accession	Q29329, P62317, Q3SZF8
Reactivity	**Human**
Predicted	**Bovine, Mouse, Pig**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**13527**
Antigen Region	**1-30**

SNRPD2 Antibody (N-term) - Additional Information

Gene ID 6633

Other Names
Small nuclear ribonucleoprotein Sm D2, Sm-D2, snRNP core protein D2, SNRPD2, SNRPD1

Target/Specificity
This SNRPD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human SNRPD2.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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
SNRPD2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SNRPD2 Antibody (N-term) - Protein Information

Name SNRPD2

Synonyms 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, PubMed:18984161, PubMed:19325628, PubMed:23333303, 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).

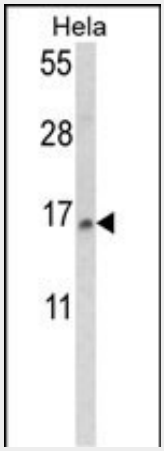
Cellular Location
Cytoplasm, cytosol. Nucleus. Note=SMN-mediated assembly into core snRNPs occurs in the cytosol before SMN-mediated transport to the nucleus to be included in spliceosomes.

SNRPD2 Antibody (N-term) - Protocols

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

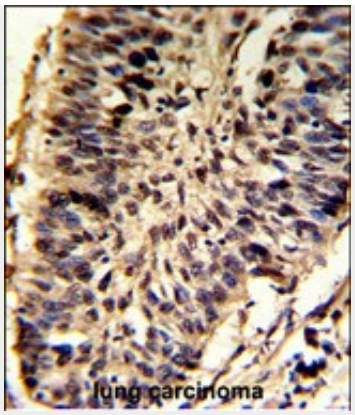
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SNRPD2 Antibody (N-term) - Images

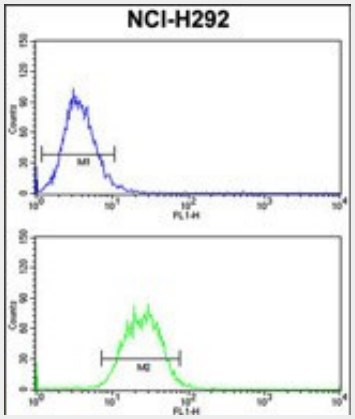


Western blot analysis of SNRPD2 Antibody (N-term) (Cat. #AP6841a) in Hela cell line lysates (35ug/lane). SNRPD2 (arrow) was detected using the purified Pab.

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Formalin-fixed and paraffin-embedded human lung carcinoma reacted with SNRPD2 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



SNRPD2 Antibody (N-term) (Cat. #AP6841a) flow cytometry analysis of NCI-H292 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

SNRPD2 Antibody (N-term) - Background

SNRPD2 belongs to the small nuclear ribonucleoprotein core protein family. It is required for pre-mRNA splicing and small nuclear ribonucleoprotein biogenesis.

SNRPD2 Antibody (N-term) - References

Stelzl,U., et.al., Cell 122 (6), 957-968 (2005)