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SNRPD1 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2842c

Specification

SNRPD1 Antibody (Center) - Product Information

Application	**FC, IHC-P, WB,E**
Primary Accession	P62314
Other Accession	P62315, Q4R5F6, Q3ZC10
Reactivity	**Human**
Predicted	**Bovine, Monkey, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**13282**
Antigen Region	**46-78**

SNRPD1 Antibody (Center) - Additional Information

Gene ID 6632

Other Names
Small nuclear ribonucleoprotein Sm D1, Sm-D1, Sm-D autoantigen, snRNP core protein D1, SNRPD1

Target/Specificity
This SNRPD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 46-78 amino acids from the Central region of human SNRPD1.

Dilution
FC~~1:10~50
IHC-P~~1:50~100
WB~~1:1000
E~~Use at an assay dependent concentration.

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
SNRPD1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SNRPD1 Antibody (Center) - Protein Information

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Name 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:28076346, PubMed:28502770, PubMed:28781166, PubMed:32494006). Component of both the pre-catalytic spliceosome B complex and activated spliceosome C complexes (PubMed:11991638, PubMed:26912367, 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). May act as a charged protein scaffold to promote snRNP assembly or strengthen snRNP-snRNP interactions through non-specific electrostatic contacts with RNA (PubMed:23333303).

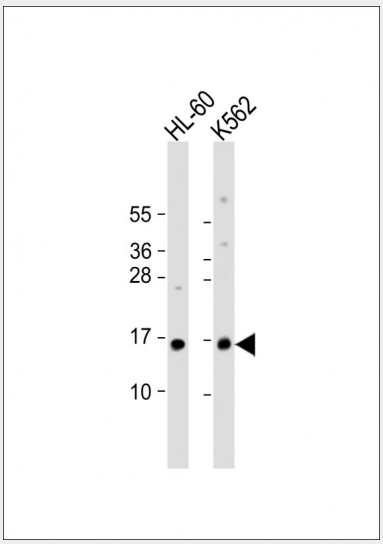
Cellular Location
Cytoplasm, cytosol. Nucleus. Note=SMN- mediated assembly into core snRNPs occurs in the cytosol before SMN- mediated transport to the nucleus to be included in spliceosomes

SNRPD1 Antibody (Center) - 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

SNRPD1 Antibody (Center) - Images



All lanes : Anti-SNRPD1 Antibody (Center) at 1:1000 dilution Lane 1: HL-60 whole cell lysate Lane 2: K562 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 : 13 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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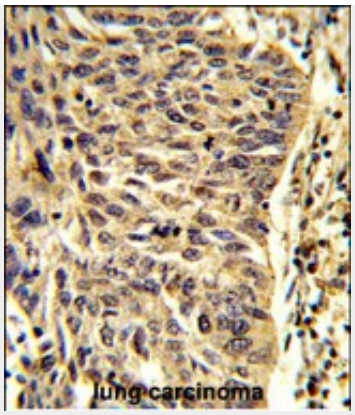
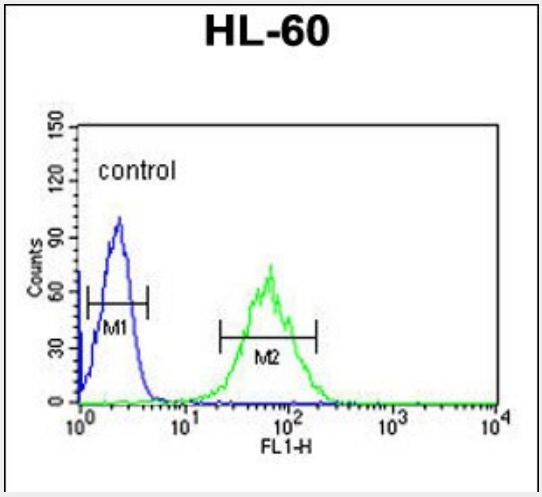


Formalin-fixed and paraffin-embedded human lung carcinoma reacted with SNRPD1 Antibody (Center) (Cat.#AP2842c), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



SNRPD1 Antibody (Center) (Cat. #AP2842c) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

SNRPD1 Antibody (Center) - Background

SNRPD1 is a small nuclear ribonucleoprotein that belongs to the SNRNP core protein family. This protein may act as a charged protein scaffold to promote SNRNP assembly or strengthen SNRNP-SNRNP interactions through nonspecific electrostatic contacts with RNA.

SNRPD1 Antibody (Center) - References

Lehner,B., Genome Res. 14 (7), 1315-1323 (2004)
Will,C.L., RNA 10 (6), 929-941 (2004)