

SNRPD2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6841a

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P62316
Other Accession	Q29329 , P62317 , Q3SZF8
Reactivity	Human
Predicted	Bovine, Mouse, Pig, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB20795
Calculated MW	13527
Antigen Region	1-30

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~~1:100~500 FC~~1:10~50 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	SNRPD2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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: 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).
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.

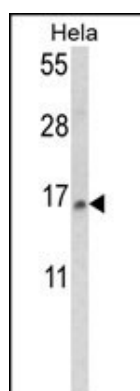
Background

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

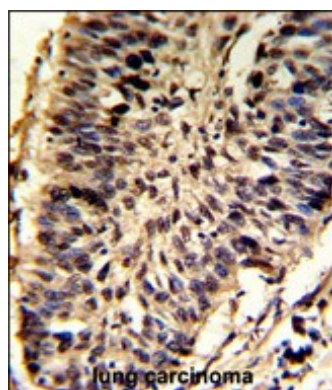
References

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

Images

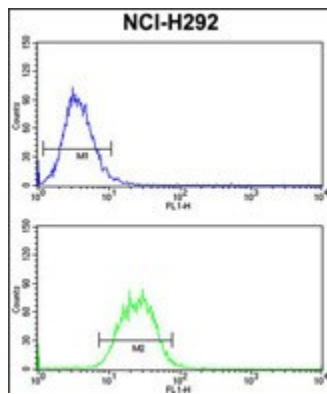


Western blot analysis of SNRPD2 Antibody (N-term) (Cat. #AP6841a) in HeLa cell line lysates (35ug/lane). SNRPD2 (arrow) was detected using the purified Pab.



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.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.