

Rabbit SNRPD1 Polyclonal Antibody | anti-SNRPD1 antibody

SNRPD1 Antibody (Center)

CATALOG # AAA283980	HOST Rabbit	REACTIVITY Human Predicted Reactivity: Bovine, Monkey, Mouse	APPLICATIONS Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot
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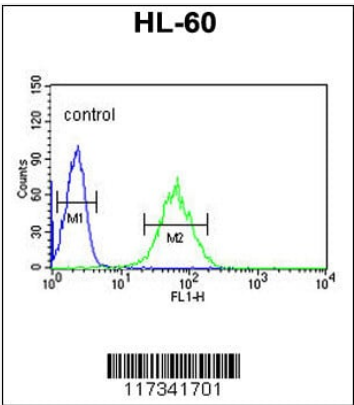
PRODUCT SYNONYMS

SNRPD1; Polyclonal Antibody; SNRPD1 Antibody (Center); Small nuclear ribonucleoprotein Sm D1; Sm-D1; Sm-D autoantigen; snRNP core protein D1; anti-SNRPD1 antibody

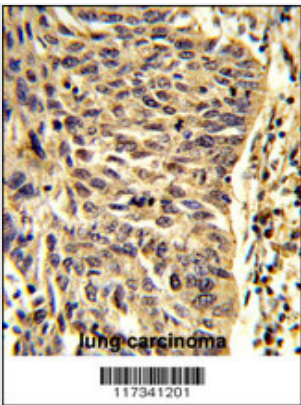
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted Reactivity: Bovine, Monkey, Mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Sequence Positions	46-78
Sequence Length	119
Applicable Applications for anti-SNRPD1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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
Function	Plays role in pre-mRNA splicing as corecomponent of the SMN- Sm complex thatmediates spliceosomal snRNP assembly andas component of the spliceosomal U1, U2,U4 and U5 small nuclear ribonucleoproteins(snRNPs), the building blocks of thespliceosome (PubMed: ,PubMed: ,PubMed: ,PubMed: ,PubMed: ,PubMed: ,PubMed: ,PubMed: ,PubMed:).Component of both the pre-catalyticspliceosome B complex and activatedspliceosome C complexes (PubMed: ,PubMed: ,PubMed: ,PubMed: ,PubMed:). Is also acomponent of the minor U12 spliceosome(PubMed:). May actas a charged protein scaffold to promotesnRNP assembly or strengthensnRNP-snRNP interactions throughnon-specific electrostatic contacts with RNA(Probable).
Preparation and 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.

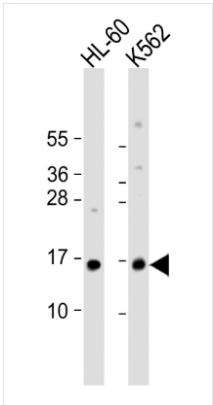
IMAGES



FCM/FACS (Flow Cytometry)
SNRPD1 Antibody (Center) 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.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma reacted with SNRPD1 Antibody (Center), 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.



WB (Western Blot)
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 ug 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.

ADDITIONAL INFORMATION

Related Product Information for anti-SNRPD1 antibody	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.
Product Categories/Family for anti-SNRPD1 antibody	Immunology
References	Lehner,B., Genome Res. 14 (7), 1315-1323 (2004) Will,C.L., RNA 10 (6), 929-941 (2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5902102
NCBI GeneID	6632
NCBI Accession #	NP_008869.1
NCBI GenBank Nucleotide #	NM_006938.3
UniProt Accession #	P62314; P13641; B5BTZ1

Molecular Weight	13282
NCBI Official Full Name	small nuclear ribonucleoprotein Sm D1 isoform 1
NCBI Official Synonym Full Names	small nuclear ribonucleoprotein D1 polypeptide 16kDa
NCBI Official Symbol	SNRPD1
NCBI Official Synonym Symbols	SMD1; SNRPD; Sm-D1; HsT2456
NCBI Protein Information	small nuclear ribonucleoprotein Sm D1
UniProt Protein Name	Small nuclear ribonucleoprotein Sm D1
UniProt Gene Name	SNRPD1
UniProt Synonym Gene Names	Sm-D1
UniProt Entry Name	SMD1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/snrpd1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/283980>