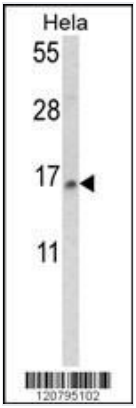
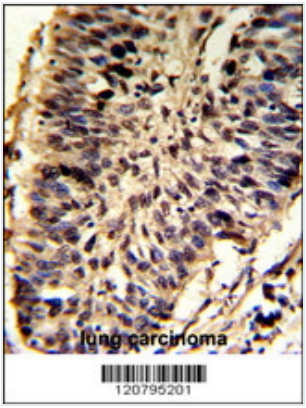
SNRPD2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

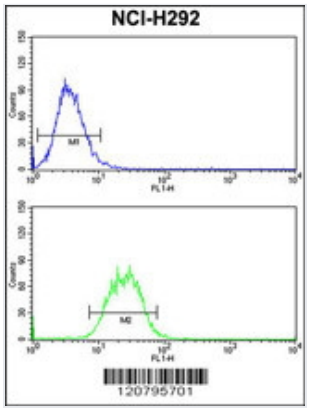
Product Name	SNRPD2, Polyclonal Antibody
Full Product Name	SNRPD2, NT (Small Nuclear Ribonucleoprotein Sm D2, Sm-D2, snRNP Core Protein D2, SNRPD1) (MaxLight 405)
Product Gene Name	anti-SNRPD2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human SNRPD2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	15.6 kDa (138aa), confirmed by MALDI-TOF
OMIM	601061
3D Structure	ModBase 3D Structure for P62316
Immunogen	Synthetic peptide selected from the N-terminal region of human SNRPD2 (KLH).
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-SNRPD2 antibody	Antibodies; RNA Processing
Applications Tested/Suitable for anti-SNRPD2 antibody	Western Blot (WB), FLISA
Application Notes for anti-SNRPD2 antibody	WB: 1:50-1:100 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-SNRPD2 antibody	MBS6500034 is an antibody targeting SNRPD2. Also known as SNRPD2, NT (Small Nuclear Ribonucleoprotein Sm D2, Sm-D2, snRNP Core Protein D2, SNRPD1) (MaxLight 405). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-SNRPD2 antibody	1. Stelzl, U., et.al., Cell 122(6), 957-968 (2005).
Other Notes	Small volumes of anti-SNRPD2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



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



Immunohistochemistry (IHC) of anti-SNRPD2 antibody
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.



Flow Cytometry (FC/FACS) of anti-SNRPD2 antibody
SNRPD2 Antibody (N-term) 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SNRPD2. It may not necessarily be applicable to this product.

NCBI GI #	4759158
NCBI GeneID	6633
NCBI Accession #	NP_004588
UniProt Primary Accession #	P62316
UniProt Secondary Accession #	P43330; A8K797; J3KPM5
UniProt Related Accession #	P62316
GenBank Nucleotide #	NM_004597.6
NCBI Official Full Name	small nuclear ribonucleoprotein Sm D2 isoform 1
NCBI Official Synonym Full Names	small nuclear ribonucleoprotein D2 polypeptide
NCBI Official Symbol	SNRPD2
NCBI Official Synonym Symbols	SMD2; Sm-D2; SNRPD1
UniProt Protein Name	Small nuclear ribonucleoprotein Sm D2
UniProt Synonym Protein Names	snRNP core protein D2

Protein Family	Probable small nuclear ribonucleoprotein
UniProt Gene Name	SNRPD2
UniProt Synonym Gene Names	SNRPD1; Sm-D2
UniProt Entry Name	SMD2_HUMAN
NCBI Protein Information	small nuclear ribonucleoprotein Sm D2
NCBI Summary for SNRPD2	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. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]
UniProt Comments for SNRPD2	snRNP D2: Required for pre-mRNA splicing. Required for snRNP biogenesis. Belongs to the snRNP core protein family. Protein type: RNA splicing; Spliceosome Chromosomal Location of Human Ortholog: 19q13.2 Cellular Component: small nuclear ribonucleoprotein complex; nucleoplasm; spliceosome; snRNP U1; cytosol; U12-dependent spliceosome Molecular Function: protein binding Biological Process: nuclear mRNA splicing, via spliceosome; spliceosomal snRNP biogenesis; RNA splicing; spliceosome assembly; gene expression
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