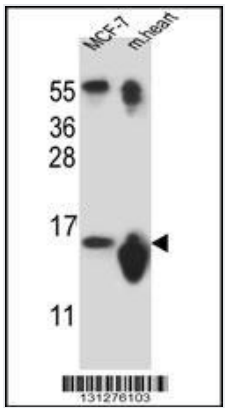
SNRPD3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SNRPD3, Polyclonal Antibody
Full Product Name	SNRPD3, NT (SNRPD3, Small nuclear ribonucleoprotein Sm D3, snRNP core protein D3) (APC)
Product Gene Name	anti-SNRPD3 antibody
Product Synonym Names	SNRPD3; Small nuclear ribonucleoprotein Sm D3; snRNP core protein D3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
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: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	13,292 Da
OMIM	601062
3D Structure	ModBase 3D Structure for P62318
Immunogen	SNRPD3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 8-38 amino acids from the N-terminal region of human SNRPD3.
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-SNRPD3 antibody	Antibodies; Nuclear Proteins
Applications Tested/Suitable for anti-SNRPD3 antibody	Western Blot (WB), FLISA
Application Notes for anti-SNRPD3 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-SNRPD3 antibody	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.
Product References and Citations for anti-SNRPD3 antibody	Gonsalvez, G.B., et al. J. Cell Biol. 178(5):733-740(2007). Ma, Y., et al. Structure 13(6):883-892(2005). Mahler, M., et al. Arthritis Res. Ther. 7 (1), R19-R29 (2005): Ong, S.E., et al. Nat. Methods 1(2):119-126(2004). Ong, S.E., et al. Nat. Methods 1(2):119-126(2004).
Other Notes	Small volumes of anti-SNRPD3 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.

Searchable Terms for SNRPD3 purchase	MBS6349431 is an antibody targeting SNRPD3. Also known as SNRPD3, NT (SNRPD3, Small nuclear ribonucleoprotein Sm D3, snRNP core protein D3) (APC). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-SNRPD3 antibody
SNRPD3 Antibody (N-term) western blot analysis in MCF-7 cell line ans mouse heart tissue lysates (35ug/lane).This demonstrates the SNRPD3 antibody detected the SNRPD3 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SNRPD3. It may not necessarily be applicable to this product.

NCBI GI #	521258686
NCBI GeneID	6634
NCBI Accession #	NP_004166.1
UniProt Primary Accession #	P62318
UniProt Secondary Accession #	P43331; B4DJP7; B5BU13
UniProt Related Accession #	P62318
GenBank Nucleotide #	NM_004175
NCBI Official Full Name	Homo sapiens small nuclear ribonucleoprotein D3 polypeptide 18kDa (SNRPD3), transcript variant 1, mRNA
NCBI Official Synonym Full Names	small nuclear ribonucleoprotein D3 polypeptide 18kDa
NCBI Official Symbol	SNRPD3
NCBI Official Synonym Symbols	SMD3; Sm-D3
UniProt Protein Name	Small nuclear ribonucleoprotein Sm D3
UniProt Synonym Protein Names	snRNP core protein D3
UniProt Gene Name	SNRPD3
UniProt Synonym Gene Names	Sm-D3
UniProt Entry Name	SMD3_HUMAN
NCBI Protein Information	small nuclear ribonucleoprotein Sm D3; snRNP core protein D3
NCBI Summary for SNRPD3	This gene encodes a core component of the spliceosome, which is a nuclear ribonucleoprotein complex that functions in pre-mRNA splicing. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

UniProt Comments for SNRPD3	snRNP D3: Appears to function in the U7 snRNP complex that is involved in histone 3'-end processing. Binds to the downstream cleavage product (DCP) of histone pre-mRNA in a U7 snRNP dependent manner. Belongs to the snRNP core protein family. Protein type: Spliceosome; RNA splicing; RNA-binding Chromosomal Location of Human Ortholog: 22q11.23 Cellular Component: small nuclear ribonucleoprotein complex; nucleoplasm; spliceosome; cytoplasm; snRNP U1; cytosol; U12-dependent spliceosome Molecular Function: protein binding; enzyme binding Biological Process: transcription from RNA polymerase II promoter; nuclear mRNA splicing, via spliceosome; spliceosomal snRNP biogenesis; RNA splicing; histone mRNA metabolic process; gene expression; mRNA 3'-end processing; termination of RNA polymerase II transcription
Research Articles on SNRPD3	**1.** The dimethylated arginine residues play an essential role in the formation of major SmD3 autoepitopes. 1 particular peptide of SmD3 represents a more sensitive and more reliable substrate for the detection of a subclass of anti-Sm antibodies.
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