

ARG55763 anti-SNRPD3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SNRPD3
Tested Reactivity	Hu
Predict Reactivity	Ms, Xenopus
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SNRPD3
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 99-126 (C-terminus) of Human SNRPD3.
Conjugation	Un-conjugated
Alternate Names	Small nuclear ribonucleoprotein Sm D3; Sm-D3; snRNP core protein D3; SMD3

Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	IHC-P	1:50 - 1:100
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	MCF7	

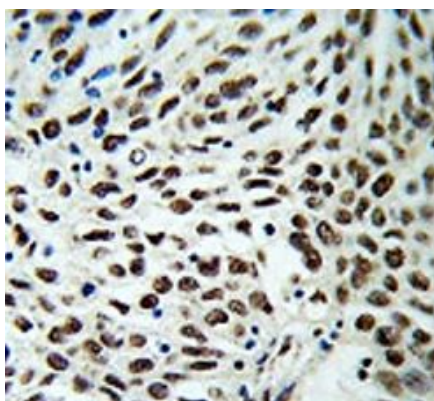
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

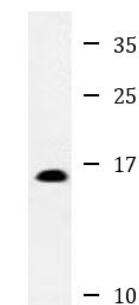
Database links	GeneID: 6634 Human Swiss-port # P62318 Human
Gene Symbol	SNRPD3
Gene Full Name	small nuclear ribonucleoprotein D3 polypeptide 18kDa
Background	This gene encodes a core component of the spliceosome, which is a nuclear ribonucleoprotein complex that functions in pre-mRNA splicing. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]
Function	Core component of the spliceosomal U1, U2, U4 and U5 small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome. Thereby, plays an important role in the splicing of cellular pre-mRNAs. Most spliceosomal snRNPs contain a common set of Sm proteins SNRPB, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF and SNRPG that assemble in an heptameric protein ring on the Sm site of the small nuclear RNA to form the core snRNP. As part of the U7 snRNP it is involved in histone 3'-end processing. [UniProt]
Calculated Mw	14 kDa
PTM	Methylated on arginine residues by PRMT5 and PRMT7; probable asymmetric dimethylation which is required for assembly and biogenesis of snRNPs.
Cellular Localization	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

Images



ARG55763 anti-SNRPD3 antibody IHC-P image

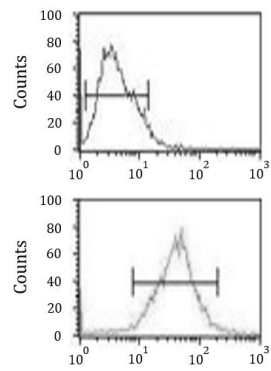
Immunohistochemistry: Formalin-fixed and paraffin-embedded Human lung carcinoma stained with ARG55763 anti-SNRPD3 antibody.



MCF7

ARG55763 anti-SNRPD3 antibody WB image

Western blot: 35 µg of MCF7 cell lysate stained with ARG55763 anti-SNRPD3 antibody.



ARG55763 anti-SNRPD3 antibody FACS image

Flow Cytometry: MCF7 cells stained with ARG55763 anti-SNRPD3 antibody (bottom histogram) or without primary antibody control (top histogram), followed by incubation with FITC labelled secondary antibody.