

Anti-SMD3 antibody



Description	Unconjugated Rabbit polyclonal to SMD3
Model	STJ190202
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human SMD3 protein.
Immunogen Region	30-110aa
Gene ID	6634
Gene Symbol	SNRPD3
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	SMD3 Polyclonal Antibody detects endogenous levels of protein.
Purification	SMD3 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Small nuclear ribonucleoprotein Sm D3 Sm-D3 snRNP core protein D3
Molecular Weight	13 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:11160OMIM:601062
Alternative Names	Small nuclear ribonucleoprotein Sm D3 Sm-D3 snRNP core protein D3
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 SNRNPB, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF and SNRPG that assemble in a 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.
Cellular Localization	Cytoplasm, cytosol Nucleus. SMN-mediated assembly into core snRNPs occurs in the cytosol before SMN-mediated transport to the nucleus to be included in spliceosomes.
Post-translational Modifications	Methylated on arginine residues by PRMT5 and PRMT7; probable asymmetric dimethylation which is required for assembly and biogenesis of snRNPs.