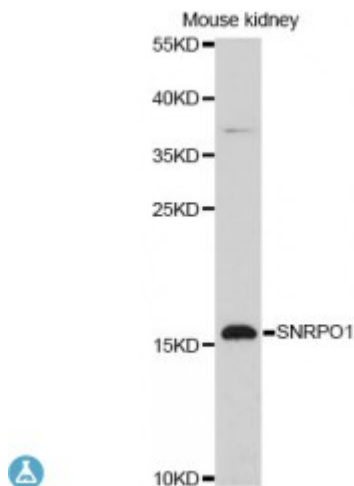


Anti-SNRPD1 Antibody



Description

This gene encodes a small nuclear ribonucleoprotein that belongs to the SNRNP core protein family. The protein may act as a charged protein scaffold to promote SNRNP assembly or strengthen SNRNP-SNRNP interactions through nonspecific electrostatic contacts with RNA. Two transcript variants encoding different isoforms have been found for this gene.

Model	STJ116704
Host	Rabbit
Reactivity	Mouse
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human SNRPD1 (NP_008869.1).
Gene ID	6632
Gene Symbol	SNRPD1
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Small nuclear ribonucleoprotein Sm D1 Sm-D1 Sm-D autoantigen snRNP core protein D1
Molecular Weight	13.282 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:11158 OMIM:601063 Reactome:R-HSA-191859
Alternative Names	Small nuclear ribonucleoprotein Sm D1 Sm-D1 Sm-D autoantigen snRNP core protein D1
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 a heptameric protein ring on the Sm site of the small nuclear RNA to form the core snRNP, May act as a charged protein scaffold to promote snRNP assembly or strengthen snRNP-snRNP interactions through nonspecific electrostatic contacts with RNA,
Cellular Localization	Cytoplasm, cytosol,
Post-translational Modifications	Methylated on arginine residues by PRMT5 and PRMT7

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