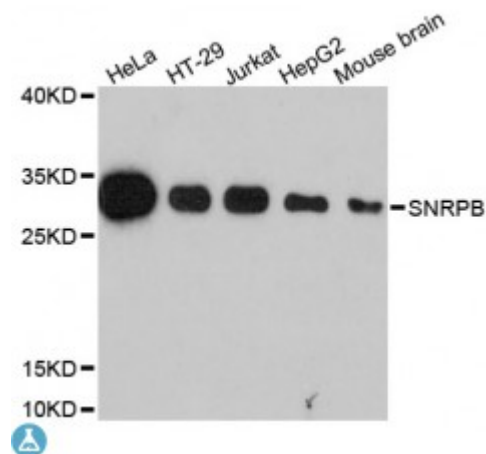


Anti-SNRPB Antibody



Description

The protein encoded by this gene is one of several nuclear proteins that are found in common among U1, U2, U4/U6, and U5 small ribonucleoprotein particles (snRNPs). These snRNPs are involved in pre-mRNA splicing, and the encoded protein may also play a role in pre-mRNA splicing or snRNP structure. Autoantibodies from patients with systemic lupus erythematosus frequently recognize epitopes on the encoded protein. Two transcript variants encoding different isoforms (B and B') have been found for this gene.

Model	STJ116166
Host	Rabbit
Reactivity	Human, Mouse
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human SNRPB (NP_003082.1).
Gene ID	6628
Gene Symbol	SNRPB
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Small nuclear ribonucleoprotein-associated proteins B and B' snRNP-B Sm protein B/B' Sm-B/B' SmB/B'
Molecular Weight	24.61 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:11153OMIM:117650Reactome:R-HSA-109688
Alternative Names	Small nuclear ribonucleoprotein-associated proteins B and B' snRNP-B Sm protein B/B' Sm-B/B' SmB/B'
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, As part of the U7 snRNP it is involved in histone 3'-end processing,
Cellular Localization	Cytoplasm, cytosol,
Post-translational Modifications	Methylated, Arg-108 and Arg-112 are dimethylated, probably to asymmetric dimethylarginine,