



RNPS1 mouse mAb

Catalog No	YP-mAb-19408
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	RNPS1 LDC2
Immunogen	Synthesized peptide derived from human RNPS1. AA range:78-178
Specificity	This antibody detects endogenous levels of RNPS1 at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal,Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	RNPS1 LDC2;RNA-binding protein with serine-rich domain 1 (SR-related protein LDC2)
Observed Band	
Calculated Molecular Weight	34kD
Cell Pathway	Nucleus. Nucleus speckle. Cytoplasm. Nucleocytoplasmic shuttling protein. Colocalizes with the core EJC , ALYREF/THOC4 , NXF1 and UAP56 in the nucleus and nuclear speckles.
Tissue Specificity	Ubiquitous.
Function	Part of pre- and post-splicing multiprotein mRNP complexes. Auxiliary component of the splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junction on mRNAs. The EJC is a dynamic structure consisting of core proteins and several peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. Component of the ASAP and PSAP complexes which bind RNA in a sequence-independent manner and are proposed to be recruited to the EJC prior to or during the splicing process and to regulate specific excision of introns in specific transcription subsets. The ASAP complex can inhibit RNA processing during in vitro splicing reactions. The



ASAP complex promotes apoptosis and is disassembled after induction of apoptosis. Enhances the formation of the ATP-dependent A complex of the spliceosome. Involved in both constitutive splicing and , in association with SRP54 and TRA2B/SFRS10 , in distinctive modulation of alternative splicing in a substrate-dependent manner. Involved in the splicing modulation of BCL2L1/Bcl-X (and probably other apoptotic genes) ; specifically inhibits formation of proapoptotic isoforms such as Bcl-X (S) ; the activity is different from the established EJC assembly and function. Participates in mRNA 3'-end cleavage. Involved in UPF2-dependent nonsense-mediated decay (NMD) of mRNAs containing premature stop codons. Also mediates increase of mRNA abundance and translational efficiency. Binds spliced mRNA 20-25 nt upstream of exon-exon junctions.

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images