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## anti-RNPS1 antibody



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100 μg RNPS1 Human, Mouse, Rat	
Human, Mouse, Rat	
Rabbit	
Polyclonal	
This RNPS1 antibody is un-conjugated	
Western Blotting (WB), ELISA, Immunoprecipitation (IP), Immunofluorescence (IF)	

#### **Product Details**

Immunogen:	RNA binding protein S1, serine-rich domain
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### **Target Details**

Target:	RNPS1	
Alternative Name:	RNPS1 (RNPS1 Products)	
Background:	Synonyms:LDC2 Background: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.

Molecular Weight:	55-60 kDa
Gene ID:	10921
UniProt:	Q15287

#### **Application Details**

Application Notes:	WB: 1:500-1:2000, IP: 1:200-1:1000, IF: 1:20-1:200	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)	

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Expiry Date:

12 months