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Datasheet for ABIN7091024
anti-DDX39B antibody (AA 1-100) (Biotin)

Overview

Quantity:	100 µL
Target:	DDX39B
Binding Specificity:	AA 1-100
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DDX39B antibody is conjugated to Biotin
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human UAP56
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Cow,Pig
Purification:	Purified by Protein A.

Target Details

Target:	DDX39B
Alternative Name:	UAP56 (DDX39B Products)
Background:	Synonyms: 56 kDa U2AF65-associated protein, ATP-dependent RNA helicase p47, B(0,+)-type

Target Details

amino acid transporter 1, BAT1, Bat1a, DEAD box protein UAP56, Glycoprotein-associated amino acid transporter b0,+AT1, HLA-B-associated transcript 1 protein, HLA-B-associated transcript 1A, HLA-B-associated transcript-1, p47, Solute carrier family 7 member 9, Spliceosome RNA helicase BAT1, UAP56, 56 kDa U2AF65-associated protein, ATP-dependent RNA helicase p47, 0610030D10Rik, 4F2-LC6, AI428441, D17H6S81E, D17H6S81E-1, D6S81E, D6S81Eh, DDX39B, DX39B_HUMAN, Glycoprotein-associated amino acid transporter b0,+AT1, MGC127051, MGC19235, MGC38799, nuclear RNA helicase (DEAD family), OTTHUMP00000029229, OTTHUMP00000165889, OTTHUMP00000165890, Spliceosome RNA helicase DDX39B, U2AF65-associated protein, 56-KD.

Background: Component of the THO subcomplex of the TREX complex. The TREX complex specifically associates with spliced mRNA and not with unspliced pre-mRNA. It is recruited to spliced mRNAs by a transcription-independent mechanism. Binds to mRNA upstream of the exon-junction complex (EJC) and is recruited in a splicing- and cap-dependent manner to a region near the 5' end of the mRNA where it functions in mRNA export. The recruitment occurs via an interaction between ALYREF/THOC4 and the cap-binding protein NCBP1. DDX39B functions as a bridge between ALYREF/THOC4 and the THO complex. The TREX complex is essential for the export of Kaposi's sarcoma-associated herpesvirus (KSHV) intronless mRNAs and infectious virus production. The recruitment of the TREX complex to the intronless viral mRNA occurs via an interaction between KSHV ORF57 protein and ALYREF/THOC4. Splice factor that is required for the first ATP-dependent step in spliceosome assembly and for the interaction of U2 snRNP with the branchpoint. Has both RNA-stimulated ATP binding/hydrolysis activity and ATP-dependent RNA unwinding activity. Even with the stimulation of RNA, the ATPase activity is weak. Can only hydrolyze ATP but not other NTPs. The RNA stimulation of ATPase activity does not have a strong preference for the sequence and length of the RNA. However, ssRNA stimulates the ATPase activity much more strongly than dsRNA. Can unwind 5' or 3' overhangs or blunt end RNA duplexes in vitro. The ATPase and helicase activities are not influenced by U2AF2 and ALYREF/THOC4.

Gene ID: 7919

UniProt: [Q13838](#)

Pathways: [Ribonucleoprotein Complex Subunit Organization](#)

Application Details

Application Notes: WB 1:300-5000

Restrictions: For Research Use only

Handling

Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months