

Rabbit BAT1 Polyclonal Antibody | anti-DDX39B antibody

BAT1 Antibody (C-term)

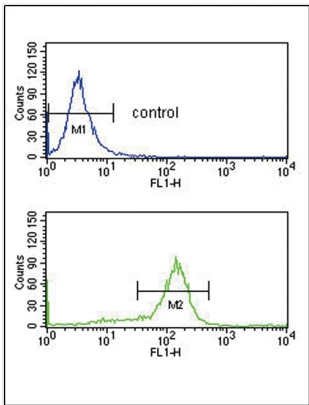
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288749	Rabbit	Human (Predicted Reactivity: Mouse, Rat, Bovine, Chicken, Drosophila, Pig)	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

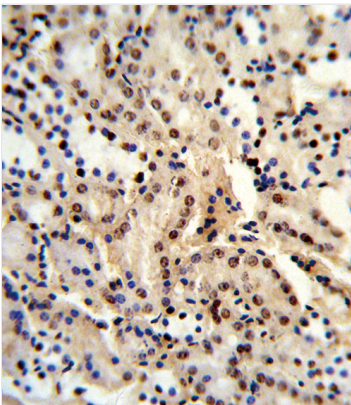
BAT1; Polyclonal Antibody; BAT1 Antibody (C-term); Spliceosome RNA helicase DDX39B; 56 kDa U2AF65-associated protein; ATP-dependent RNA helicase p47; DEAD box protein UAP56; HLA-B-associated transcript 1 protein; DDX39B; UAP56; anti-DDX39B antibody

PRODUCT SPECIFICATIONS

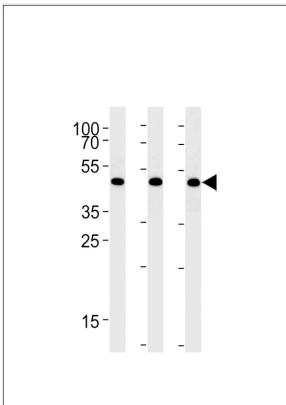
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat, Bovine, Chicken, Drosophila, Pig)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This BAT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 351-380 amino acids from the C-terminal region of human BAT1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	351-380
Sequence Length	428
Applicable Applications for anti-DDX39B antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
BAT1 Antibody (C-term) flow cytometry analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human kidney reacted with BAT1 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
BAT1 Antibody (C-term) western blot analysis in A431,Hela,Jurkat cell line lysates (35ug/lane).This demonstrates the BAT1 antibody detected the BAT1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-DDX39B antibody	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 THOC4 and the cap-binding protein NCBP1. UAP56 functions as a bridge between 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 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. It 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. It 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. It can unwind 5' or 3' overhangs or blunt end RNA duplexes in vitro. The ATPase and helicase activities are not influenced by U2AF2 and THOC4.
Product Categories/Family for anti-DDX39B antibody	Crown Antibodies
References	Choudhary C., et.al., Science 325:834-840(2009). Boyne J.R., et.al., PLoS Pathog. 4:E1000194-E1000194(2008).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758112
NCBI GeneID	7919
NCBI Accession #	NP_004631.1; NP_542165.1
NCBI GenBank Nucleotide #	NM_004640.6
UniProt Accession #	Q13838; O43496; Q0EFA1; Q2L6F9; Q53GL9; Q5RJ64; Q5RJ66; Q5ST94; Q5STB4; Q5STB5; Q5STB7; B0S8C0
Molecular Weight	48991
NCBI Official Full Name	spliceosome RNA helicase DDX39B
NCBI Official Synonym Full Names	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B
NCBI Official Symbol	DDX39B
NCBI Official Synonym Symbols	BAT1; UAP56; D6S81E
NCBI Protein Information	spliceosome RNA helicase DDX39B
UniProt Protein Name	Spliceosome RNA helicase DDX39B
UniProt Gene Name	DDX39B
UniProt Synonym Gene Names	BAT1; UAP56
UniProt Entry Name	DX39B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/bat1-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/288749>