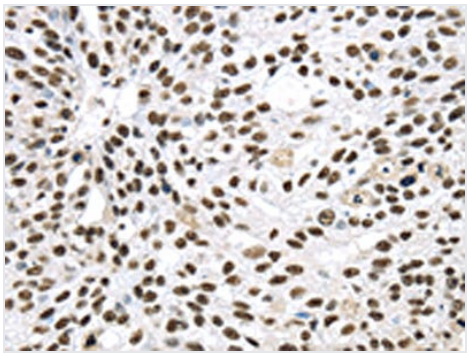
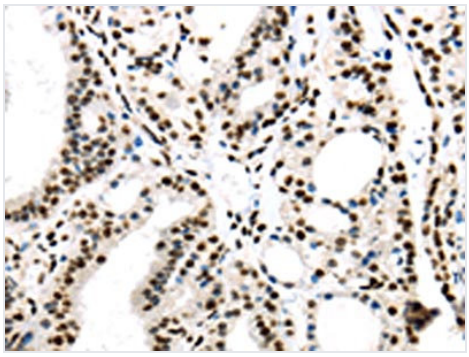
DDX39B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

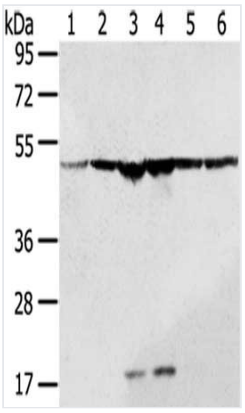
Product Name	DDX39B, Polyclonal Antibody
Full Product Name	DDX39B Antibody
Product Gene Name	anti-DDX39B antibody
Product Synonym Names	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	50,679 Da
OMIM	142560
3D Structure	ModBase 3D Structure for Q13838
Immunogen	Synthetic peptide of human DDX39B
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-DDX39B antibody	Epigenetics and Nuclear Signaling
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-DDX39B antibody	ELISA (EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-DDX39B antibody	ELISA: 1:2000-1:5000 WB: 1:500-1:2000 IHC: 1:30-1:150
Related Product Information for anti-DDX39B antibody	MBS7130085 is an antibody targeting DDX39B. Also known as DDX39B Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-DDX39B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC)-Paraffin of anti-DDX39B antibody
The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using MBS7130085(DDX39B Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-DDX39B antibody
The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using MBS7130085(DDX39B Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: ×200)



SDS-Page of anti-DDX39B antibody
Gel: 8%SDS-PAGE,Lysate: 40 ug,Lane 1-6: A431 cells, SKOV3 cells, 231 cells, Jurkat cells, HepG2 cells, Hela cells,Primary antibody: MBS7130085(DDX39B Antibody) at dilution 1/200 dilution,Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution,Exposure time: 1 second

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DDX39B. It may not necessarily be applicable to this product.

NCBI GI #	323276702
NCBI GeneID	7919
NCBI Accession #	NP_004631.1
UniProt Primary Accession #	Q13838
UniProt Secondary Accession #	O43496; Q0EFA1; Q2L6F9; Q53GL9; Q5RJ64; Q5RJ66; Q5ST94; Q5STB4; Q5STB5; Q5STB7; B0S8C0
UniProt Related Accession #	Q13838
GenBank Nucleotide #	NM_004640
NCBI Official Full Name	Homo sapiens DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B (DDX39B), transcript variant 1, mRNA
NCBI Official Synonym Full Names	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B
NCBI Official Symbol	DDX39B
NCBI Official Synonym Symbols	BAT1; UAP56; D6S81E
UniProt Protein Name	Spliceosome RNA helicase DDX39B
UniProt Synonym Protein Names	56 kDa U2AF65-associated protein; ATP-dependent RNA helicase p47; DEAD box protein UAP56; HLA-B-associated transcript 1 protein
Protein Family	Spliceosome RNA helicase

UniProt Gene Name	DDX39B
UniProt Synonym Gene Names	BAT1; UAP56
UniProt Entry Name	DX39B_HUMAN
NCBI Protein Information	spliceosome RNA helicase DDX39B; 56 kDa U2AF65-associated protein; ATP-dependent RNA helicase p47; HLA-B-associated transcript 1 protein; nuclear RNA helicase (DEAD family); spliceosome RNA helicase BAT1
NCBI Summary for DDX39B	This gene encodes a member of the DEAD box family of RNA-dependent ATPases that mediate ATP hydrolysis during pre-mRNA splicing. The encoded protein is an essential splicing factor required for association of U2 small nuclear ribonucleoprotein with pre-mRNA, and it also plays an important role in mRNA export from the nucleus to the cytoplasm. This gene belongs to a cluster of genes localized in the vicinity of the genes encoding tumor necrosis factor alpha and tumor necrosis factor beta. These genes are all within the human major histocompatibility complex class III region. Mutations in this gene may be associated with rheumatoid arthritis. Alternative splicing results in multiple transcript variants. Related pseudogenes have been identified on both chromosomes 6 and 11. Read-through transcription also occurs between this gene and the upstream ATP6V1G2 (ATPase, H+ transporting, lysosomal 13kDa, V1 subunit G2) gene. [provided by RefSeq, Feb 2011]
UniProt Comments for DDX39B	BAT1: 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. Belongs to the DEAD box helicase family. DECD subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: RNA-binding; RNA splicing; Spliceosome; EC 3.6.4.13; Helicase Chromosomal Location of Human Ortholog: 6p21.3 Cellular Component: nucleoplasm; spliceosome; cytoplasm; nuclear speck; nucleus Molecular Function: U4 snRNA binding; ATP-dependent protein binding; protein binding; RNA-dependent ATPase activity; ATP binding; ATP-dependent RNA helicase activity; U6 snRNA binding Biological Process: nuclear mRNA splicing, via spliceosome; mRNA export from nucleus; RNA secondary structure unwinding; positive regulation of RNA elongation; RNA splicing; spliceosome assembly; intronless viral mRNA export from host nucleus
Research Articles on DDX39B	**1.** We unravel the role of unexplored immunologically important genes, BAT1 and BTNL2, and the haplotypes of the significantly associated SNPs therein, to understand susceptibility to the disease, leprosy and its differential severity.
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