

Anti-DDX39B Antibody [B2-A2]

EM1706-69



Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human, Mouse
Applications:	WB, IHC-P
Molecular Wt:	49 kDa
Clone number:	B2-A2

Description: BAT1 (spliceosome RNA helicase BAT1), also known as DEAD-box protein UAP56 (56 kDa U2AF65-associated protein), HLA-B associated transcript-1 or ATP-dependent RNA helicase p47, is a member of the DECD subfamily of DEAD-box helicases. Important for mRNA splicing and nuclear export, BAT1 interacts with the mRNA export factor ALY and also functions as a splicing factor, mediating the first ATP-dependent step of spliceosome assembly. BAT1 associates with transcription elongation factor THO proteins, forming the TREX complex, and also interacts with splicing machinery to form the exon junction complex. Due to alternative splicing events, BAT1 exists in two isoforms. DDX39 (DEAD box protein 39), like BAT1, is a member of the DEAD-box family of helicases. Localized to the nucleus and expressed in lung, brain, kidney, spleen, thymus and salivary gland, DDX39 functions in a similar manner to BAT1 and is involved in pre-mRNA splicing and mRNA export out of the nucleus. DDX39 expression is upregulated in lung squamous cell carcinoma, suggesting a role for DDX39 in tumorigenesis.

Immunogen: Purified recombinant fragment of human DDX39B (AA: 1-250) expressed in E. Coli.

Positive control: Human DDX39B recombinant protein, DDX39B-hIgGfc transfected HEK293 cell lysate, HEK293, Jurkat, MCF-7, A431, NIH/3T3, K562, HepG2, human cervical cancer tissues.

Subcellular location: Nucleus. Nucleus speckle

Database links: SwissProt: Q13838 Human | Q9Z1N5 Mouse

Recommended Dilutions:

WB	1:500-1:2,000
IHC-P	1:200-1:1,000

Storage Buffer: Purified antibody in PBS with 0.05% sodium azide.

Storage Instruction: 4°C; -20°C for long term storage.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

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Images

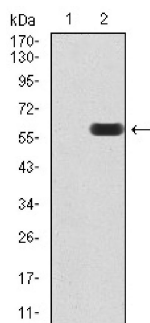


Fig1: Western blot analysis of DDX39B on HEK293 (1) and DDX39B-hlgGfc transfected HEK293 (2) cell lysate using anti-DDX39B antibody at 1/1,000 dilution.

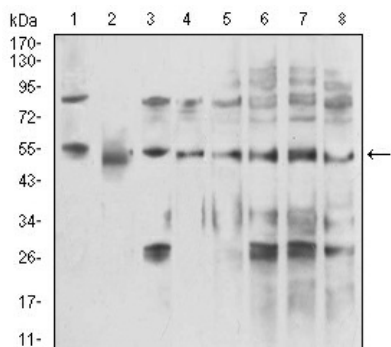


Fig2: Western blot analysis of DDX39B on different cells lysates using anti-DDX39B antibody at 1/1,000 dilution.

Positive control: Line1: HEK293 Line2: Jurkat Line3: MCF-7 Line4: A431 Line5: NIH/3T3 Line6: Jurkat Line7: K562 Line8: HepG2

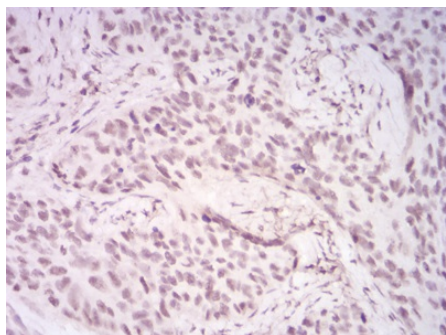


Fig3: Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using anti-DDX39B antibody. Counter stained with hematoxylin.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Read EK & Digard P Individual influenza A virus mRNAs show differential dependence on cellular NXF1/TAP for their nuclear export. J Gen Virol 91:1290-301 (2010).

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