

**DATASHEET**

**DDX39B Mouse Monoclonal Antibody(C2662)**

CAT. NO. AMA02274

**KEY FEATURES**

Target	DDX39B	Source / Host	Mouse
Reactivity	Human, Mouse	Clonality	Monoclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

**BACKGROUND**

Involved in nuclear export of spliced and unspliced mRNA . Component of the TREX complex which is thought to couple mRNA transcription, processing and nuclear export, and specifically associates with spliced mRNA and not with unspliced pre-mRNA . The TREX complex 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 to the cytoplasm via the TAP/NXF1 pathway . The THOC1-THOC2-THOC3 core complex alone is sufficient to promote ATPase activity of DDX39B; in the complex THOC2 is the only component that directly interacts with DDX39B .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IHC	1:100 - 1:500

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

Description	Mouse monoclonal to DDX39B
Specificity	Recognizes endogenous levels of DDX39B protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human DDX39B expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 49 kD; Observed: 53 kD kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	BAT1; UAP56; SplIC, eosome RNA helIC, ase DDX39B; 56 kDa U2AF65-associated protein; ATP-dependent RNA helIC, ase p47; DEAD box protein UAP56; HLA-B-associated transcript 1 protein
Gene Symbol	DDX39B
Entrez Gene	7919(Human); 114612(Rat)
SwissProt	Q13838(Human); Q9Z1N5(Mouse)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

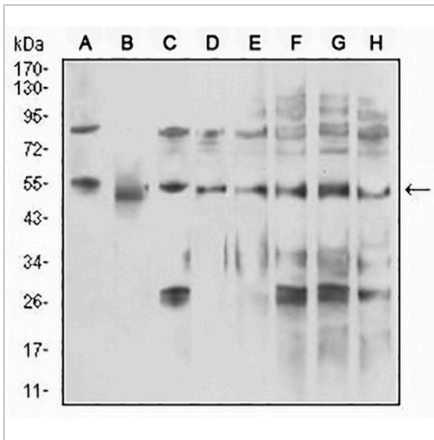
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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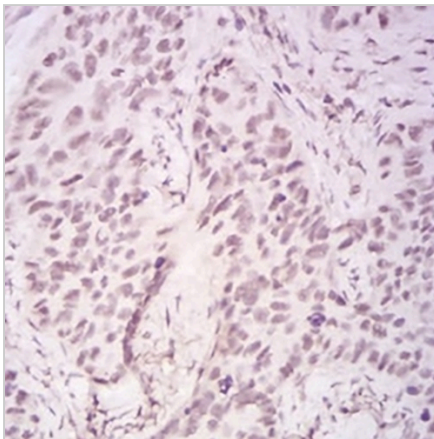
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**DATA**



Western blot analysis of DDX39B expression in HEK293 (A), Jurkat (B), MCF7 (C), A431 (D), NIH/3T3 (E), Jurkat (F), K562 (G), HepG2 (H) whole cell lysates. (Predicted band size: 49 kD; Observed band size: 53 kD)



Immunohistochemical analysis of DDX39B staining in human cervical cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.