

## DDX39B monoclonal antibody

Catalog: MB22025

Host: Mouse

Reactivity: Human, Mouse

### Background:

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<sup>+</sup> transporting, lysosomal 13kDa, V1 subunit G2) gene.<br />

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

49kDa

### Swiss-Prot:

Q13838

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB:1/500 - 1/2000 IHC:1/200 - 1/1000 IF:1/200 - 1/1000

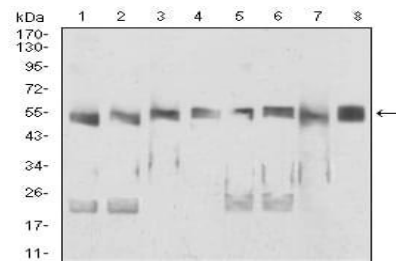
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

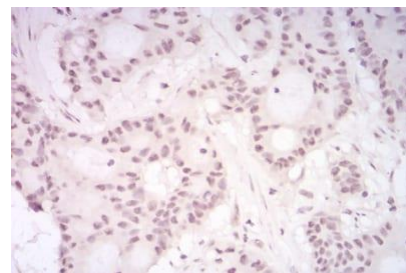
### Isotype:

Mouse IgG1

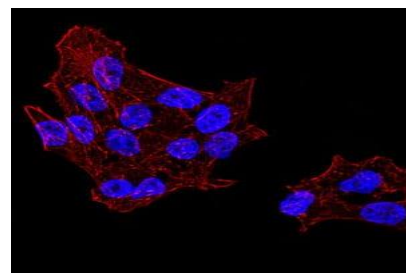
### DATA:



Western blot analysis using DDX39B mouse mAb against HepG2 (1), HepG2 (2), K562 (3), Jurkat (4), NIH/3T3 (5), MCF-7 (6), Jurkat (7), and Hek293 (8) cell lysate.



Immunohistochemical analysis of paraffin-embedded human HeLa tissues using DDX39B mouse mAb with DAB staining.



Immunofluorescence analysis of HeLa cells using DDX39B mouse mAb. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.

### Note:

For research use only, not for use in diagnostic procedure.

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## PRODUCT DATA SHEET

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