

MCM2 monoclonal antibody

Catalog: MB21542

Host: Mouse

Reactivity: Human

BackGround:

The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are involved in the initiation of eukaryotic genome replication. The hexameric protein complex formed by MCM proteins is a key component of the pre-replication complex (pre_RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. This protein forms a complex with MCM4, 6, and 7, and has been shown to regulate the helicase activity of the complex. This protein is phosphorylated, and thus regulated by, protein kinases CDC2 and CDC7.

Product:

Purified antibody in PBS with 0.05% sodium azide.

Molecular Weight:

125kDa

Swiss-Prot:

P49736

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
FC:1/200 - 1/400

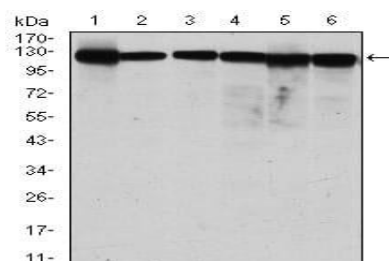
Storage&Stability:

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

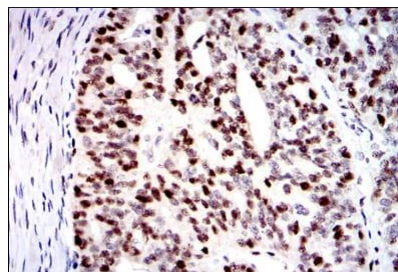
Isotype:

Mouse IgG1

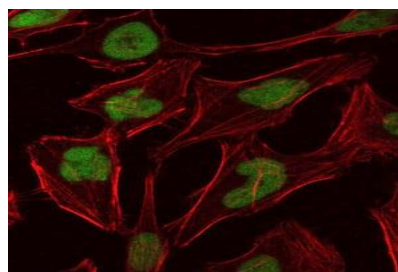
DATA:



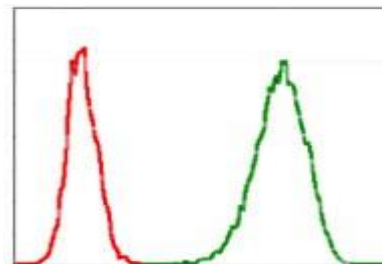
Western blot analysis using MCM2 mouse mAb against MCF-7 (1), HeLa (2), Jurkat (3), K562 (4), HEK293 (5) and HEPG2 (6) cell lysate.



Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissues using MCM2 mouse mAb with DAB staining.



Immunofluorescence analysis of HeLa cells using MCM2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of Jurkat cells using MCM2 mouse mAb

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PRODUCT DATA SHEET

Bioworld Technology, Inc.

(green) and negative control (red).

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

Note:

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