A Reliable Research Partner in Life Science and Medicine

# **Recombinant MCM7 Monoclonal Antibody**

catalog number: AN302062L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### **Description**

Reactivity Human;

**Immunogen** Peptide. This information is proprietary to PTMab.

 Host
 Rabbit

 Isotype
 IgG, κ

 Clone
 A782

Purification Protein Apurified

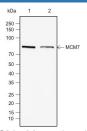
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

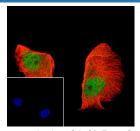
## Applications Recommended Dilution

WB 1:20000-1:50000

**IF** 1:100 **IP** 1:50-1:100

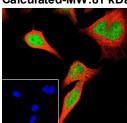
#### Data



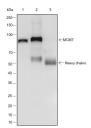


Western Blot with MCM7 Monoclonal Antibody at dilution of Immunofluorescent analysis of (4% Paraformaldehyde) fixed 1:50000. Lane 1: HeLa, Lane 2: Jurkat MCF-7 cells using anti-MCM7 Monoclonal Antibody at Observed-MW:81 kDa dilution of 1:100.

Calculated-MW:81 kDa



Immunofluorescent analysis of (100% Ice-cold methanol) fixed HeLa cells using anti-MCM7 Monoclonal Antibody at dilution of 1:100.



Immunoprecipitation analysis using anti-MCM7 Monoclonal Antibody. Western blot was performed from the immunoprecipitate using MCM7 Monoclonal Antibody at a dilution of 1:100. Lane 1: 5%% Input, Lane 2: Rabbit monoclonal IgG Isotype, Lane 3: MCM7 Monoclonal Antibody

Observed-MW:81 kDa Calculated-MW:81 kDa

## **Preparation & Storage**

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

## For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

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### **Elabscience Bionovation Inc.**

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## **Background**

The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by the 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. The MCM complex consisting of this protein and MCM2, 4 and 6 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. Cyclin D1-dependent kinase, CDK4, is found to associate with this protein, and may regulate the binding of this protein with the tumorsuppressor protein RB1/RB. Alternatively spliced transcript variants encoding distinct isoforms have been reported.

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