

## Product Data Sheet: MCM7

**Cat. No:** AB-82788

Conjugate: Unconjugated

 Size:
 100μg

 Clone:
 POLY

**Concentration:** 1mg/ml

Host: Rb Isotype: IgG

**Immunogen:** Recombinant fusion protein containing a sequence corresponding to amino acids

360-719 of human MCM7

**Reactivity:** Hu, Ms

Applications: Western Blot: 1:500 - 1:2000

Immunofluorescence: 1:50 - 1:200

Molecular Weight:

91kDa

**Purification:** Aff. Pur.

**Synonyms:** MCM7;CDC47;MCM2;P1.1-MCM3;P1CDC47;P85MCM;PNAS146;PPP1R104

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

**Background:** 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

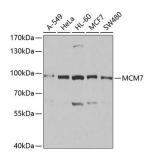
enzyme. Cyclin D1-dependent kinase, CDK4, is found to associate with this protein, and may regulate the binding of this protein with the tumorsuppressor protein RB1/RB. Alternatively spliced transcript variants encoding distinct isoforms have

been reported.

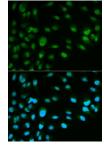
Form: Liquid

**Buffer:** PBS with 0.02% sodium azide,50% glycerol,pH7.2

**Storage:** Store at -20°C. Avoid freeze / thaw cycles



Western blot analysis of extracts of various cell lines, using MCM7 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000



Immunofluorescence analysis of HeLa cells using MCM7 antibody.

Blue: DAPI for nuclear staining.



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dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in
TBST.
Detection: ECL West Pico Plus.
Exposure time: 10s.

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