



Product Information Sheet

Monoclonal Anti-Mcm7

Catalogue No. MA1058

Lot No. 08A12

Clone: M3

Ig type: mouse IgG1

Size: 100µg/vial

Specificity

Human.

No cross reactivity with other proteins.

Recommended application

Western blot

Immunocytochemistry

To reorder contact us at:

Antagene, Inc.

Toll Free: 1(866)964-2589

email: Info@antageneinc.com

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Application

Western blot

At 0.5-1µg/ml with the appropriate system to detect mcm7 in cells and tissues.

Immunocytochemistry

Suitable

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Formulation

Lyophilized from 1.2% sodium acetate, with 2mg BSA and 0.01mg NaN₃ as preservative.

Reconstitution

1.2% sodium acetate or neutral PBS. If 1ml of PBS is used, the antibody concentration will be 100µg/ml.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

BACKGROUND

Initiation of DNA replication is a complex process involving the concerted action of many proteins. The chromosome 7-linked gene referred to by Nakatsuru et al. (1995) as MCM2 has been designated MCM7. The MCM2-7 complex is comprised of 6 subunits, MCM2 through MCM7, and is a ring-shaped heterohexameric ATPase involved in DNA replication. MCM7 is located in 7q21.3-q22.1

REFERENCE

1. Nakatsuru, S.; Sudo, K.; Nakamura, Y. : Isolation and mapping of a human gene (MCM2) encoding a product homologous to yeast proteins involved in DNA replication. *Cytogenet. Cell Genet.* 68: 226-230, 1995.
2. Pacek, M.; Tutter, A. V.; Kubota, Y.; Takisawa, H.; Walter, J. C. : Localization of MCM2-7, Cdc45, and GINS to the site of DNA unwinding during eukaryotic DNA replication. *Molec. Cell* 21: 581-587, 2006.

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