9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

# KD-Validated Anti-MCM7 Rabbit Monoclonal Antibody

*Rabbit monoclonal antibody*

ABG2318

## Product Overview

| | |
|---|---|
| **Name** | KD-Validated Anti-MCM7 Rabbit Monoclonal Antibody |
| **Accession(Primary)** | P33993 |
| **Host Species** | Rabbit |
| **Clonality** | Monoclonal |
| **Isotype** | Rabbit IgG |
| **Immunogen** | A synthesized peptide derived from human MCM7 |
| **Species Reactivity** | Human, Rat |
| **Calculated MW** | Predicted, 81 kDa ; Observed, 81 kDa |
| **Storage Buffer** | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide. |
| **Recommended Dilution** | Western blotting (WB): 1:1,000-1:5,000 Flow cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000 |

## Target information (P33993)

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|---|---|
| **Gene Name** | MCM7 |
| **About Gene Symbol** | MCM7 (Minichromosome Maintenance Complex Component 7) is a metabolic enzyme involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets. |

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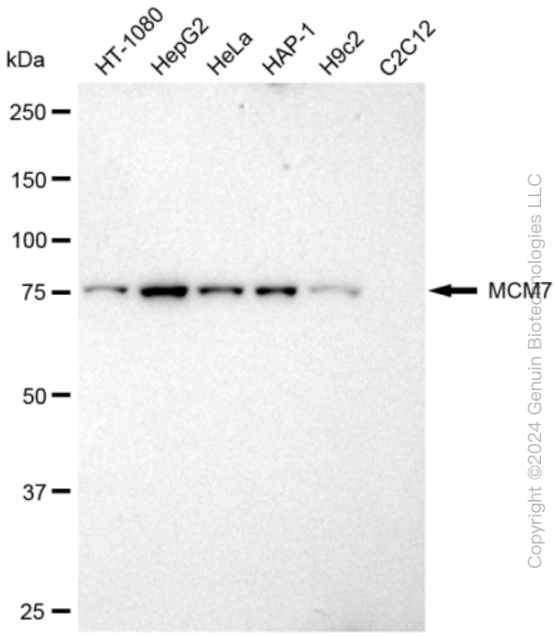


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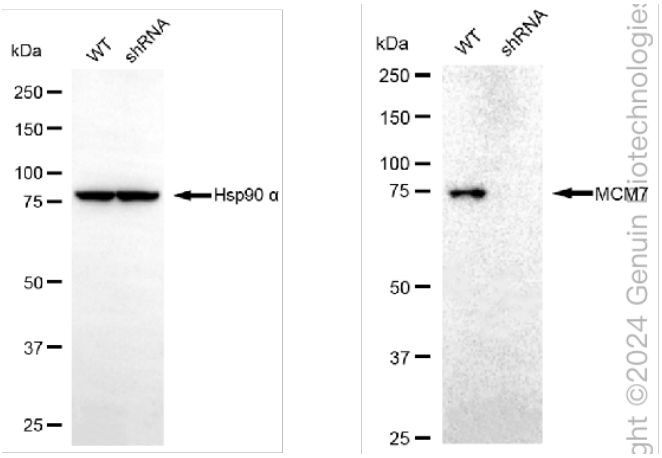
Western blotting analysis using anti-MCM7 antibody (Cat#ABG2318). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-MCM7 antibody (Cat#ABG2318, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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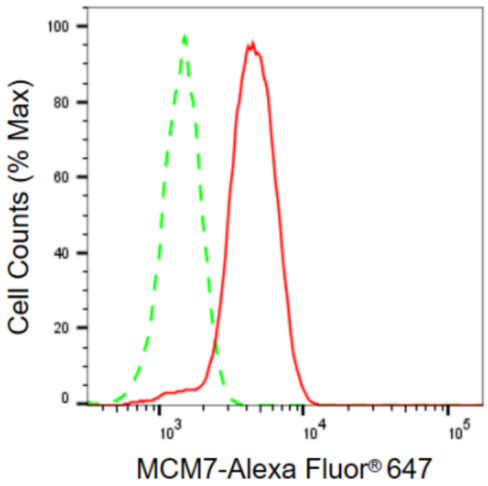
Western blotting analysis using anti-MCM7 antibody (Cat#ABG2318). MCM7 expression in wild type (WT) and MCM7 shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. GAPDH serves as a loading control. The blot was incubated with anti-MCM7 antibody (Cat#ABG2318, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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Flow cytometric analysis of MCM7 expression in HepG2 cells using MCM7 antibody (Cat#ABG2318, 1:2,000). Green, isotype control; red, MCM7.

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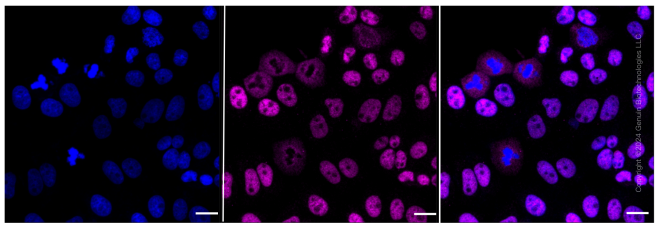

Immunocytochemical staining of HepG2 cells with MCM7 antibody (Cat#ABG2318, 1:1,000). Nuclei were stained blue with DAPI; MCM7 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.