



[Go to Product page](#)

Datasheet for ABIN6263167

## anti-MCM7 antibody (Internal Region)

### 2 Images

#### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | MCM7   |
| Binding Specificity: | Internal Region  |
| Reactivity:          | Human, Mouse, Rat  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This MCM7 antibody is un-conjugated  |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA, Immunocytochemistry (ICC) |

#### Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | A synthesized peptide derived from human MCM7, corresponding to a region within the internal amino acids.                 |
| Isotype:              | IgG   |
| Specificity:          | MCM7 Antibody detects endogenous levels of total MCM7.  |
| Predicted Reactivity: | Zebrafish,Bovine,Rabbit,Dog,Xenopus   |
| Purification:         | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

#### Target Details

|         |      |
|---------|------|
| Target: | MCM7 |
|---------|------|

## Target Details

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|                   |  |
|-------------------|--|
| Alternative Name: | MCM7 ( <a href="#">MCM7 Products</a> )   |
| Background:       | <p>Description: Acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The active ATPase sites in the MCM2-7 ring are formed through the interaction surfaces of two neighboring subunits such that a critical structure of a conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity. Required for S-phase checkpoint activation upon UV-induced damage.</p> <p>Gene: MCM7</p> |
| Molecular Weight: | 81kDa  |
| Gene ID:          | 4176   |
| UniProt:          | <a href="#">P33993</a>   |
| Pathways:         | <a href="#">DNA Damage Repair</a> , <a href="#">Mitotic G1-G1/S Phases</a> , <a href="#">DNA Replication</a> , <a href="#">Chromatin Binding</a> , <a href="#">Synthesis of DNA</a>  |

## Application Details

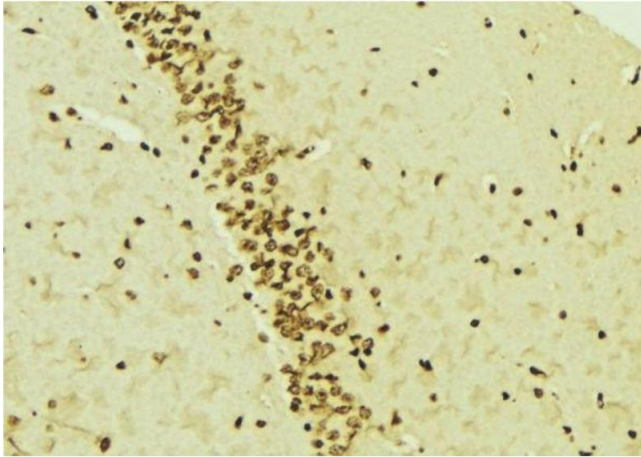
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|                    |   |
|--------------------|---|
| Application Notes: | WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000 |
| Restrictions:      | For Research Use only   |

## Handling

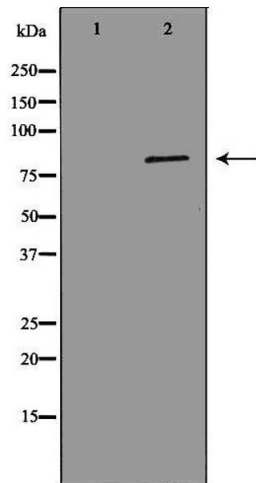
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|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 1 mg/mL  |
| Buffer:            | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.                  |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Store at -20 °C. Stable for 12 months from date of receipt.  |



### Immunohistochemistry

**Image 1.** ABIN6276541 at 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22;ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary



### Western Blotting

**Image 2.** Western blot analysis of HeLa whole cell lysates, using MCM7 Antibody. The lane on the left is treated with the antigen-specific peptide.