

Datasheet for ABIN3044178  
**anti-MCM7 antibody (C-Term)**

## 4 Images

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## Overview

Quantity:	100 µg
Target:	MCM7
Binding Specificity:	AA 699-719, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MCM7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for DNA replication licensing factor MCM7(MCM7) detection. Tested with WB, IHC-P, ICC in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human MCM7(699-719aa DEYEELNVWQVNASRTRITFV).
Sequence:	DEYEELNVWQ VNASRTRITF V
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for DNA replication licensing factor MCM7(MCM7) detection. Tested with WB, IHC-P, ICC in Human. Gene Name: minichromosome maintenance complex component 7

## Product Details

Protein Name: DNA replication licensing factor MCM7

Purification: Immunogen affinity purified.

## Target Details

Target: MCM7

Alternative Name: MCM7 ([MCM7 Products](#))

Background: MCM7(Minichromosome Maintenance, s. Cerevisiae, homolog of, 7), also called CDC47, FORMERLY, is one of the highly conserved mini-chromosome maintenance proteins(MCM) that are essential for the initiation of eukaryotic genome replication. The MCM7 gene is mapped on 7q22.1. MCM7 plays a pivotal role in the G1/S phase transition, orchestrating the correct assembly of replication forks on chromosomal DNA and ensuring that all the genome is replicated once and not more than once at each cell cycle. The MCM7 gene contains 15 exons. The miRNAs MIR106B, MIR93, and MIR25 are clustered in a 5-prime to 3-prime orientation within intron 13. Petrocca et al.(2008) found that MCM7 and the precursors of microRNAs(miRNAs) MIR106B, MIR93, and MIR25, all of which arise from intron 13 of the MCM7 gene, were overexpressed with almost perfect correlation in 5 of 10 human gastric tumors.

Synonyms: CDABP0042 antibody|CDC 47 antibody|CDC47 antibody|CDC47 homolog antibody|Cdc47, S. cerevisiae, homolog of antibody|DNA replication licensing factor MCM7 antibody|Homolog of S. cerevisiae Cdc47 antibody|MCM 2 antibody|MCM 7 antibody|MCM2 antibody|MCM2, formerly antibody|Mcm7 antibody|MCM7 minichromosome maintenance deficient 7 antibody|MCM7\_HUMAN antibody|Minichromosome Maintenance 7 antibody|Minichromosome maintenance, S. cerevisiae, homolog of antibody|Minichromosome maintenance complex component 7 antibody|Minichromosome maintenance deficient 7 antibody|Minichromosome maintenance protein 7 antibody|P1.1 MCM3 antibody|P1.1-MCM3 antibody|P1CDC47 antibody|P85MCM antibody|PNAS 146 antibody|PNAS146 antibody

UniProt: [P33993](#)

Pathways: [DNA Damage Repair](#), [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Chromatin Binding](#), [Synthesis of DNA](#)

## Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human

## Application Details

IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.

ICC: Concentration: 0.5-1 µg/mL, Tested Species: Human

Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.

Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P) and ICC.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

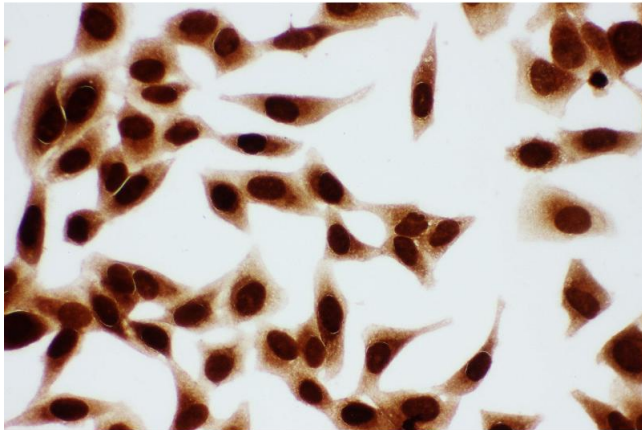
Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

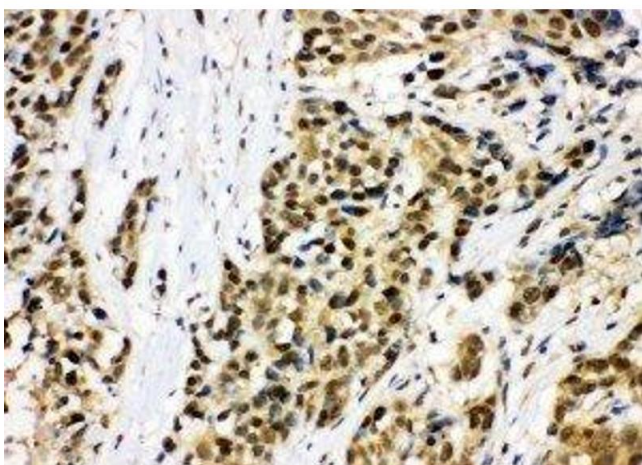
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Expiry Date: 12 months



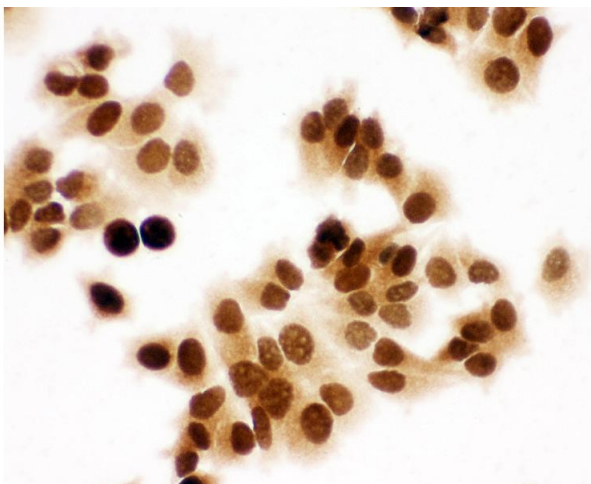
#### Immunohistochemistry

**Image 1.** Anti-MCM7 antibody, ICC ICC: HELA Cell



#### Immunohistochemistry

**Image 2.** Anti-MCM7 antibody, IHC(P) IHC(P): Human Lung Cancer Tissue



#### Immunohistochemistry

**Image 3.** Anti-MCM7 antibody, ICC ICC: MCF-7 Cell

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3044178.