

## Anti-Phospho-MCM2 (Ser27) Rabbit Monoclonal Antibody

### Introduction

The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are involved in the initiation of eukaryotic genome replication. The hexameric protein complex formed by 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. This protein forms a complex with MCM4, 6, and 7, and has been shown to regulate the helicase activity of the complex. This protein is phosphorylated, and thus regulated by, protein kinases CDC2 and CDC7. Multiple alternatively spliced transcript variants have been found, but the full-length nature of some variants has not been defined. [provided by RefSeq, Oct 2012]

### Product parameters

|                   |   |
|-------------------|---|
| Alternative Names | MCM2; BM28; CCNL1; CDCL1; KIAA0030; DNA replication licensing factor MCM2; Minichromosome maintenance protein 2 homolog; Nuclear protein BM28 |
| Gene ID           | 4171  |
| Gene Name         | MCM2  |
| SwissProt ID      | P49736  |
| Host              | Rabbit  |
| Reactivity        | Human   |
| Molecular Weight  | Calculated MW: 102 kDa; Observed MW: 125 kDa  |
| Conjugation       | Unconjugated  |
| Ex                | -   |
| Em                | -   |
| Modification      | Phosphorylated  |
| Clonality         | IgG   |
| Isotype           | Monoclonal Antibody   |
| Clonality No.     | AP-14C7H6   |
| Form              | Liquid  |
| Concentration     | See label   |
| Carrier           | Carrier Not Free  |
| Immunogen         | A synthetic phosphopeptide corresponding to residues surrounding Ser27 of human MCM2  |
| Purification      | Affinity Purified   |
| Buffer System     | 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA.   |

|                    |  |
|--------------------|--|
| Application        | WB, IHC-F, IHC-P, ICC/IF, IP                             |
| Dilution Ratio     | WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/20 |
| Research Field     | Epigenetics and Nuclear Signaling                        |
| Product Categories | Primary antibody   |
| Shipping           | Blue ice   |
| Storage            | -20°C  |
| Expiration Date    | 12 months  |
| Note               | Please avoid freeze-thaw cycles.                         |

## Protocol

Configure the product according to the application range and recommended dilution ratio.

**\*Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

## Note

1. This product is for scientific research use only.





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