# MCM8 rabbit pAb

## Cat#: orb773623 (Manual)

For research use only. Not intended for diagnostic use.

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| **Product Name** | MCM8 rabbit pAb |
| **Host species** | Rabbit |
| **Applications** | WB;ELISA |
| **Species Cross-Reactivity** | Human;Rat |
| **Recommended dilutions** | WB 1:500-2000 ELISA 1:5000-20000 |
| **Immunogen** | Synthesized peptide derived from part region of human protein |
| **Specificity** | MCM8 Polyclonal Antibody detects endogenous levels of protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.. |
| **Storage** | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| **Protein Name** | DNA helicase MCM8 (EC 3.6.4.12) (Minichromosome maintenance 8) |
| **Gene Name** | MCM8 C20orf154 |
| **Cellular localization** | Nucleus . Chromosome . Localizes to nuclear foci (PubMed:26215093). Localizes to double-stranded DNA breaks (PubMed:23401855). Binds chromatin throughout the cell cycle (PubMed:15684404). . |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Clonality** | Polyclonal |

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| **Concentration** | 1 mg/ml |
| **Observed band** | 92kD |
| **Human Gene ID** | 84515 |
| **Human Swiss-Prot Number** | Q9UJA3 |
| **Alternative Names** | |

**Background**

The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by the mini-chromosome maintenance proteins is a key component of the pre-replication complex and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. This protein contains the central domain that is conserved among the mini-chromosome maintenance proteins. The encoded protein may interact with other mini-chromosome maintenance proteins and play a role in DNA replication. This gene may be associated with length of reproductive lifespan and menopause. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2013],

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