



# MCM9 Polyclonal Antibody

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Catalog No         | BYab-06670                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Reactivity         | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Applications       | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Name          | MCM9 C6orf61 MCMD1                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Protein Name       | DNA helicase MCM9 (hMCM9) (EC 3.6.4.12) (Mini-chromosome maintenance deficient domain-containing protein 1) (Minichromosome maintenance 9)                                                                                                                                                                                                                                                                                                                                 |
| Immunogen          | Synthesized peptide derived from part region of human protein                                                                                                                                                                                                                                                                                                                                                                                                              |
| Specificity        | MCM9 Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                                                                                                             |
| Formulation        | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                             |
| Source             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purification       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                      |
| Dilution           | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Concentration      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Purity             | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Storage Stability  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Synonyms           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Observed Band      | 125kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Cell Pathway       | Nucleus . Chromosome . Colocalizes to nuclear foci with RPA1 following DNA damage (PubMed:23401855). Localizes to double-stranded DNA breaks (PubMed:23401855). Recruited to chromatin by MSH2 (PubMed:26300262). .                                                                                                                                                                                                                                                        |
| Tissue Specificity | Brain,Colon,Testis,                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Function           | similarity:Belongs to the MCM family.,similarity:Contains 1 MCM domain.,                                                                                                                                                                                                                                                                                                                                                                                                   |
| Background         | The protein encoded by this gene is a member of the mini-chromosome maintenance (MCM) protein family that are essential for the initiation of eukaryotic genome replication. Binding of this protein to chromatin has been shown to be a pre-requisite for recruiting the MCM2-7 helicase to DNA replication origins. This protein also binds, and is a positive regulator of, the chromatin licensing and DNA replication factor 1, CDT1. [provided by RefSeq, Nov 2010], |

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**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**