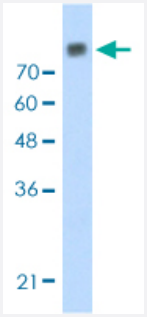
# MCM6 polyclonal antibody

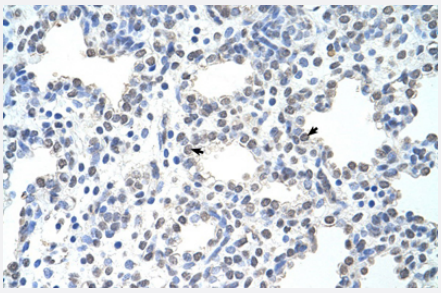
Catalog # PAB29921 Size 100 uL

## Applications




### Western Blot (Cell lysate)

Western blot analysis of HepG2 cell lysate with MCM6 polyclonal antibody (Cat # PAB29921).



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human intestine with MCM6 polyclonal antibody (Cat # PAB29921).

## Specification

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| **Product Description** | Rabbit polyclonal antibody raised against partial synthetic protein of human MCM6. |
| **Immunogen** | A synthetic peptide corresponding to amino acids 771-820 of human MCM6. |
| **Sequence** | RIIEKVIHRLTHYDHVLIELTQAGLKGSTEGSESYEEDPYLVVNPNYLLE |
| **Host** | Rabbit |
| **Theoretical MW (kDa)** | 90 |
| **Reactivity** | Human |
| **Form** | Liquid |

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| **Purification** | Affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Immunohistochemistry (1:250)<br>Western Blot (1:1000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 1X PBS , pH 7.4 (2% sucrose, 0.09% sodium azide). |
| **Storage Instruction** | Store at 4°C for up to one week. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

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- Western Blot (Cell lysate)

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human intestine with MCM6 polyclonal antibody (Cat # PAB29921).

## Gene Info — MCM6

| | |
|---|---|
| **Entrez GeneID** | 4175 |
| **Protein Accession#** | Q14566 |
| **Gene Name** | MCM6 |
| **Gene Alias** | MCG40308, Mis5, P105MCM |
| **Gene Description** | minichromosome maintenance complex component 6 |
| **Omim ID** | 223100 601806 |
| **Gene Ontology** | Hyperlink |

| | |
|---|---|
| **Gene Summary** | 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 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. The MCM complex consisting of this protein and MCM2, 4 and 7 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. The phosphorylation of the complex by CDC2 kinase reduces the helicase activity, suggesting a role in the regulation of DNA replication. [provided by RefSeq |
| **Other Designations** | DNA replication licensing factor MCM6\|MCM6 minichromosome maintenance deficient 6 (MIS5 homolog, S. pombe)\|MIS5 homolog\|minichromosome maintenance deficient (mis5, S. pombe) 6\|minichromosome maintenance deficient 6 homolog |

## Pathway

- Cell cycle
- DNA replication

## Disease

- Carcinoma
- Genetic Predisposition to Disease
- Kidney Neoplasms
- Lactose Intolerance
- Ovarian Neoplasms