

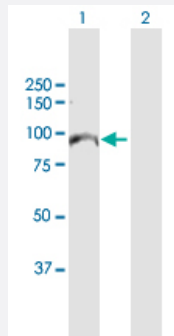
MaxPab®

# MCM10 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00055388-D01P

Size 100 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of MCM10 expression in transfected 293T cell line ([H00055388-T02](#)) by MCM10 MaxPab polyclonal antibody.

Lane 1: MCM10 transfected lysate (98.10 KDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Rabbit polyclonal antibody raised against a full-length human MCM10 protein.

### Immunogen

MCM10 (NP\_060988.3, 1 a.a. ~ 874 a.a) full-length human protein.

### Sequence

MDEEEDNLSLLTALLEENESALDCNSEENNFLTRENGEPDAFDELFDADGDGESYTEEADDGET  
GETRDEKENLATLFGDMEDLTDEEEVPASQSTENRVLPAAPRREKTNEELQEELRNLQEOMK  
ALQEQLKVTTIKQTASPARLQKSPEKSPRPPLKERRVQRIQESTCFSAELDVPALPRTKRVARTP  
KASPPDPKSSSSSRMTSAPSQPLQTISRNPSPGITRGQIVGTPGSSGETTQPICVEAFSGLRLRRPR  
VSSTEMNKKMTGRKLIRLSQIKEKMAREKLEEDWVTFGVILKKVTPQSVNSGKTFSMWLNLDLRD  
LTQCVSLFLFGEVHKALWKTEQGTVVGILNANPMKPKDGSSEEVCLSIDHPQKVLIMGEALDLGTC  
KAKKKNGEPTQTVNLRDCEYCQYHVQAQYKKLSAKRADLQSTFSGGRIPKKFARRGTS�KERL  
CQDGFYGGVSSASYAASIAAAVAPKKKIQTLSNLVVKGTNLIIQETRQKLGIQKSLSCSEEFKE  
LMDLPTCGARNLKQHLAKATASGIMGSPKPAKSISASALLKQKQRMLEMRRRKSEEIQKRFLLQS  
SSEVESPAVPSSSRQPPAQPPTGSEFPRLGAPATMTPKLGRGVLEGDDVLFYDESPPPRPK  
LSALAEAKKLAATKLRAGQVLTNTNPNSSIKKKQKDPQDILEVKEKVEKNTMFSSQAEDELEPAR  
KKRREQLAYLESEEFQKILKAKSKHTGILKEAEAEMQERYFEPLVKKEQMEEKMRNIREVKCRVV  
TCKTCAYTHFKLLETVCVSEQHEYHWHDGVKRFFKCPCGNRSISLDRLPNKHCSNCGLYKWERDG  
MLKEKTGPKIGGETLLPRGEEHAKFLNSLK

### Host

Rabbit

### Reactivity

Human

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| Interspecies Antigen Sequence | Mouse (74); Rat (76)                                                     |
| Quality Control Testing       | Antibody reactive against mammalian transfected lysate.                  |
| Storage Buffer                | In 1x PBS, pH 7.4                                                        |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

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[Protocol Download](#)

## Gene Info — MCM10

|                     |                                                 |
|---------------------|-------------------------------------------------|
| Entrez GeneID       | <a href="#">55388</a>                           |
| GeneBank Accession# | <a href="#">NM_018518.3</a>                     |
| Protein Accession#  | <a href="#">NP_060988.3</a>                     |
| Gene Name           | MCM10                                           |
| Gene Alias          | CNA43, DNA43, MGC126776, PRO2249                |
| Gene Description    | minichromosome maintenance complex component 10 |
| Omim ID             | <a href="#">609357</a>                          |
| Gene Ontology       | <a href="#">Hyperlink</a>                       |

**Gene Summary**

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 it may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. This protein can interact with MCM2 and MCM6, as well as with the origin recognition protein ORC2. It is regulated by proteolysis and phosphorylation in a cell cycle-dependent manner. Studies of a similar protein in *Xenopus* suggest that the chromatin binding of this protein at the onset of DNA replication is after pre-RC assembly and before origin unwinding. Alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq]

**Other Designations**

MCM10 minichromosome maintenance deficient 10|OTTHUMP00000019133|homolog of yeast MCM10

**Disease**

- [Alzheimer Disease](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Myocardial Infarction](#)
- [Stroke](#)
- [Tobacco Use Disorder](#)