



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## MCM4 polyclonal antibody (A01)

Catalog # : H00004173-A01

規格 : [ 50 uL ]

List All

### Specification

**Product Description:** Mouse polyclonal antibody raised against a partial recombinant MCM4.

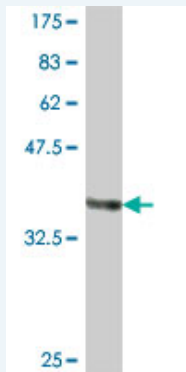
**Immunogen:** MCM4 (AAH31061, 267 a.a. ~ 366 a.a) partial recombinant protein with GST tag.

**Sequence:** KTKNMRNLNPEDIDQLITISGMVIRTSQLIPEMQEAFFQCQVCAHTTRVEMDRGRIAEPSVCGRCHTTTHSMALIHNRSLFSDKQMIKLQESPEDMPAGQT

**Host:** Mouse

**Reactivity:** Human

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (37 KDa) .

**Storage Buffer:** 50 % glycerol

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Applications

**Western Blot (Recombinant protein)**

[Protocol Download](#)

**ELISA**

### Gene Information

**Entrez GeneID:** [4173](#)

**GeneBank Accession#:** [BC031061](#)

**Protein** [AAH31061](#)

**Accession#:**

**Gene Name:** MCM4

**Gene Alias:** CDC21,CDC54,MGC33310,P1-CDC21,hCdc21

**Gene Description:** minichromosome maintenance complex component 4

**Omim ID:** [602638](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene is one of the highly conserved minichromosome maintenance proteins (MCM) that are essential for 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. The MCM complex consisting of this protein and MCM2, 6 and 7 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. The phosphorylation of this protein by CDC2 kinase reduces the DNA helicase activity and chromatin binding of the MCM complex. This gene is mapped to a region on the chromosome 8 head-to-head next to the PRKDC/DNA-PK, a DNA-activated protein kinase involved in the repair of DNA double-strand breaks. Alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq]

**Other Designations:** DNA replication licensing factor MCM4,MCM4 minichromosome maintenance deficient 4,homolog of S. pombe cell division cycle 21,minichromosome maintenance deficient 4

#### Gene Pathway

[Cell cycle](#) [DNA replication](#)

#### Related Disease

[Genetic Predisposition to Disease](#) [Hematologic Diseases](#) [Occupational Diseases](#)