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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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MCM4 purified MaxPab rabbit polyclonal antibody (D01P) MaxPab®

Catalog # : H00004173-D01P

規格 : [100 ug]

[List All](#)

Specification

Product Description: Rabbit polyclonal antibody raised against a full-length human MCM4 protein.

Immunogen: MCM4 (AAH31061.1, 1 a.a. ~ 863 a.a) full-length human protein.

Sequence:
 MSSPASTPSRRGSRRGRATPAQTPRSEDARSSPSQRRRGEDSTSTGE
 LQPMPTSPGVLDLQSPAQDVLFSPPQMHSIAIPLDFDVSSPLTYGTPS
 SRVEGTPRSGVRGTPVRQRPDLGSAQKGLQVDLQSDGAAEDIVASEQ
 SLGQKLVWGTDVNVAACKENFQRFLQRFIDPLAKEEENVGIDITEPLYM
 QRLGEINVIGEPFLNVNCEHIKSFDKNLRYQLISYPQEVIPTFDMAVNEIFF
 DRYPDSILEHQIQVRPFNALKTKNMRNLNPEDIDLITISGMVIRTSQLIPEM
 QEAFFQCQVCAHTTRVEMDRGRIAEPSVCGRCHTTHSMALIHNRSLFSD
 KQMIKLQESPEDMPAGQTPHTVILFAHNDLVDKVQPGDRVNVGTGIYRAVP
 IRVNPVRVSNVKSVMYKTHIDVIHYRKTDAKRLHGLDEEAQKLFSEKRVELL
 KLSRKPDIYERLASALAPSIYEHEDIKKGILLQLFGGTRKDFSHTGRGKF
 RAEINILLCGDPGTSKSQLLQYVYNLVPRGQYTSKGSSAVGLTAYVMK
 DPETRQLVLQGTALVLSDNIGCCIDEFDKMNSTRSVLHEVMEQQTLIA
 KAGIICQLNARTSVLAAANPIESQWNPKTTIENIQLPHTLLSRFDLIFLMLD
 PQDEAYDRRLAHLVALYYQSEEQAEEELLDMAVLKDYIAYAHSTIMPRL
 SEEASQALIEAYVDMRKIGSSRGMVSAYPRQLESILRLAEAHAKVRLSNKV
 EAIDVEEAKRLHREALKQSATDPRTGIVDISILTTGMSATSRKRKEELAEA
 LKKLILSKGKTPALKYQQLFEDIRGQSDIAIKDMFEALRALADDDFLTV
 TGKTVRLL

Host: Rabbit

Reactivity: Human, Mouse

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.

MSDS: [Download](#)

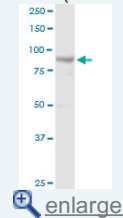
Datasheet: [Download](#)

Applications

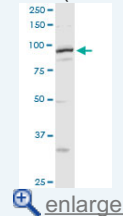
Western Blot (Tissue lysate)

Application Image

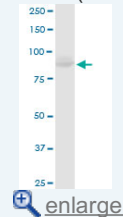
Western Blot (Tissue lysate)



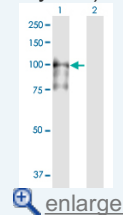
Western Blot (Tissue lysate)



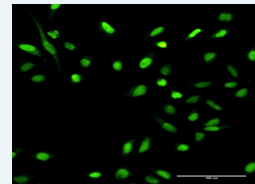
Western Blot (Cell lysate)

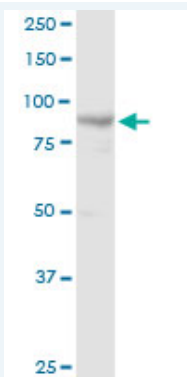


Western Blot (Transfected lysate)



Immunofluorescence

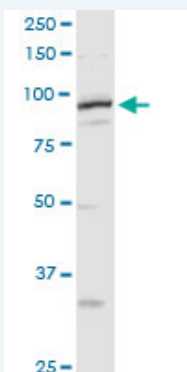




MCM4 MaxPab rabbit polyclonal antibody. Western Blot analysis of MCM4 expression in human kidney.

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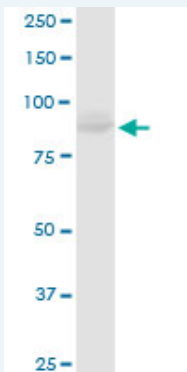
Western Blot (Tissue lysate)




MCM4 MaxPab rabbit polyclonal antibody. Western Blot analysis of MCM4 expression in mouse testis.

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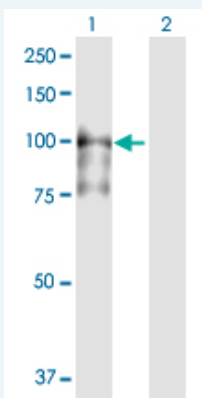
Western Blot (Cell lysate)



MCM4 MaxPab rabbit polyclonal antibody. Western Blot analysis of MCM4 expression in HeLa.

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Western Blot (Transfected lysate)

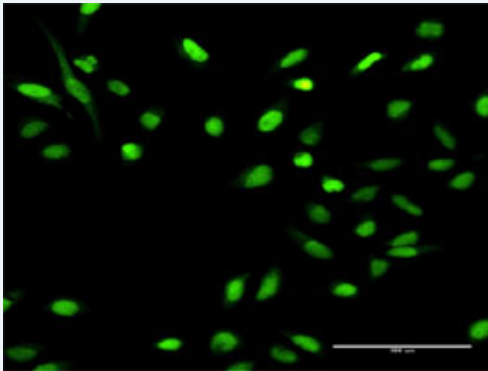



Western Blot analysis of MCM4 expression in transfected 293T cell line (H00004173-T02) by MCM4 MaxPab polyclonal antibody.

Lane 1: MCM4 transfected lysate(96.60 KDa).
Lane 2: Non-transfected lysate.


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Immunofluorescence



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Immunofluorescence of purified MaxPab antibody to MCM4 on HeLa cell. [antibody concentration 20 ug/ml]

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Gene Information

Entrez GeneID: [4173](#)

GeneBank Accession#: [BC031061](#)

Protein Accession#: [AAH31061.1](#)

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](#)

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