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Produktinformation



Forschungsprodukte & Biochemikalien



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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

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MCM4 MaxPab mouse polyclonal antibody (B01) MaxPab®

Catalog # : H00004173-B01

規格 : [50 uL]

[List All](#)

Specification

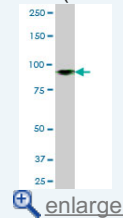
Product Description:	Mouse polyclonal antibody raised against a full-length human MCM4 protein.
Immunogen:	MCM4 (AAH31061, 1 a.a. ~ 863 a.a) full-length human protein.
Sequence:	MSSPASTPSRRGSRRGRATPAQTPRESDARSSPSQRRRGEDSTSTGE LQPMPTSPGVLDLQSPAQDVLFSPPQMHSAPLDFDVSSPLTYGTGS SRVEGTPRSGVRGTPVRQRPDLGSAQKGLQVDLQSDGAAEDIVASEQ SLGQKLVWGTDVNVAACKENFQRFLQRFIDPLAKEEENVGIDITEPLYM QRLGEINVIGEPFLNVNCEHIKSFDKNLRYQLISYPQEVIPTFDMAVNEIFF DRYPDSILEHQIQVRPFNALKTKNMRNLNPEDIDLITISGMVIRTSQLIPEM QEAFFQCQVCAHTTRVEMDRGRIAEPSVCGRCHTTSMALIHNRSLFSD KQMIKLQESPEDMPAGQTPHTVILFAHNDLVDKVQPGDRVNVGTGIYRAVP IRVNPVRVSNVKSVMYKTHIDVIHYRKTDAKRLHGLDEEAQKLFSEKRVELL KELSRKPDIERLASALAPSIYEHEDIKKGILLQLFGGTRKDFSHTGRGKF RAEINILLCGDPGTSKSQLLQYVYNLVPRGQYTSKGSSAVGLTAYVMK DPETRQLVLQTAGLVLSDNIGCCIDEFDKMNESTRSVLHEVMEQQTLIA KAGIICQLNARTSVLAAANPIESQWNPKTTIENIQLPHTLLSRFDLIFLMLD PQDEAYDRRLAHLVALYYQSEEQAEELLDMAVLKDYIAYAHSTIMPRL SEEASQALIEAYVDMRKIGSSRGMVSAYPRQLESILRLAEAHAKVRLSNKV EAIDVEEAKRLHREALKQSATDPRTGIVDISILTTGMSATSRKRKEELAEA LKKLILSKGKTPALKYQQLFEDIRGQSDIAIKDMFEALRALADDDFLTV TGKTVRLL
Host:	Mouse
Reactivity:	Human
Quality Control Testing:	Antibody reactive against mammalian transfected lysate.
Storage Buffer:	No additive
Storage Instruction:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note:	For IHC and IF applications, antibody purification with Protein A will be needed prior to use.
MSDS:	Download
Datasheet:	Download

Applications

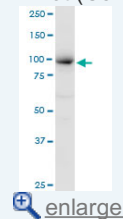
Western Blot (Tissue lysate)

Application Image

Western Blot (Tissue lysate)



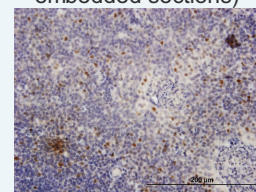
Western Blot (Cell lysate)



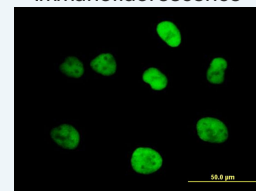
Western Blot (Transfected lysate)

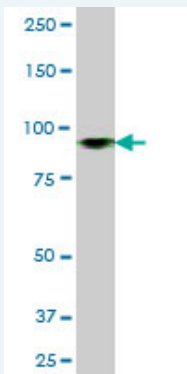


Immunohistochemistry
(Formalin/PFA-fixed paraffin-embedded sections)



Immunofluorescence

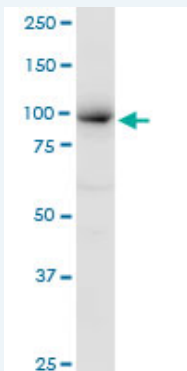




MCM4 MaxPab polyclonal antibody. Western Blot analysis of MCM4 expression in human placenta.

 [Protocol Download](#)

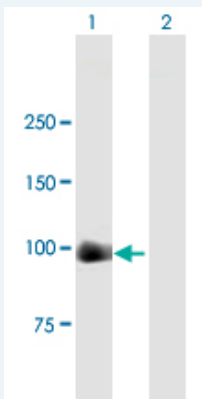
Western Blot (Cell lysate)



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

 [Protocol Download](#)

Western Blot (Transfected lysate)



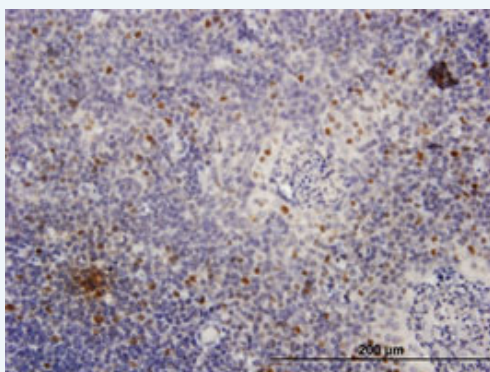
Western Blot analysis of MCM4 expression in transfected 293T cell line (H00004173-T01) by MCM4 MaxPab polyclonal antibody.


Lane 1: MCM4 transfected lysate(94.93 KDa).

Lane 2: Non-transfected lysate.

 [Protocol Download](#)

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

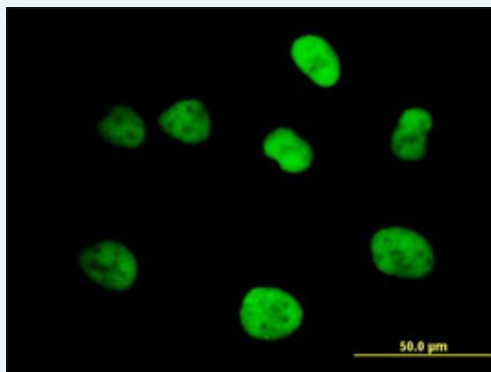



 [enlarge this image](#)

Immunoperoxidase of purified MaxPab antibody to MCM4 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]

 [Protocol Download](#)

Immunofluorescence



 [enlarge this image](#)

Immunofluorescence of purified MaxPab antibody to MCM4 on HeLa cell. [antibody concentration 10 ug/ml]

 [Protocol Download](#)

Gene Information

Entrez GeneID: [4173](#)

GeneBank [BC031061](#)
Accession#:

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](#)

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