

# Product Datasheet

## MCM4 Antibody - Azide and BSA Free H00004173-B01P

Unit Size: 50 ug

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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### Publications: 2

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Updated 2/21/2025 v.20.1

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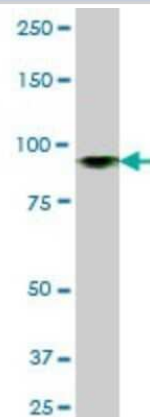
**H00004173-B01P**

MCM4 Antibody - Azide and BSA Free

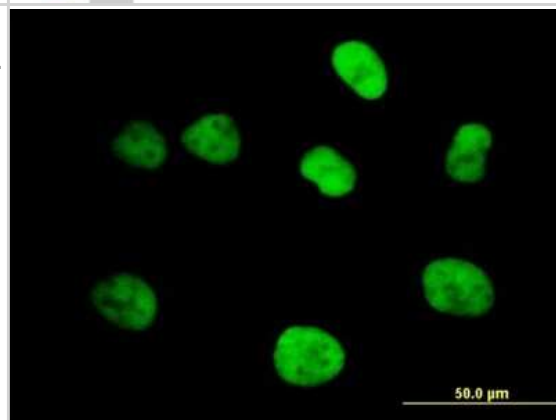
Product Information	
Unit Size	50 ug
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Protein G purified
Buffer	PBS (pH 7.4)
Product Description	
Description	Quality control test: Antibody reactive against mammalian transfected lysate.
Host	Mouse
Gene ID	4173
Gene Symbol	MCM4
Species	Human
Immunogen	MCM4 (AAH31061.1, 1 a.a. - 863 a.a.) full-length human protein. MSSPASTPSRRGRATPAQTPRSEDARSSPSQRRRGEDSTSTGELQPM PTSPGVDLQSPAAQDVLFSPPQMHSSAIPLDFDVSSPLTYGTPSSRVEGTPR SGVRGTPVRQRPDLGSAQKGLQVDLQSDGAAAEIVASEQSLGQKLVWGT VNVAACKENFQRFLQRFIDPLAKEEENVGIDITEPLYMQLGEINVIGEPFLNVN CEHIKSFKNLYRQLISYPQEVIPTFDMAVNEIFFDRYPDSILEHQIQRPFNALK TKNMRNLNPEDIDQLITISGMVIRTSQLIPEMQEAFQCQVCAHTTRVEMDRGRI AEPVCGRCHTTTHSMALIHNRSLFSDKQMIKLQESPEDMPAGQTPHTVILFAHN DLVDKVQPGDRVNVGTIYRAVPIRVNPRVSNVKSVMYKTHIDVIHYRKTDAKRLH GLDEEAEQKLFSEKRVLLKELSRKPDYERLASALAPSIYEHEDIKKGILLQLFG GTRKDFSHTRGKFRAEINILLCGDPGTSKSQLLQYVYNLVPRGQYTSKGSS AVGLTAYVMKDPETRQLVLQTGALVLSDNIGCCIDEFDKMNESTRSVLHEVME QQTLSIAKAGIICQLNARTSVLAAANPIESQWNPCKTTIENIQLPHTLLSRFDLIFL MLDPQDEAYDRRLAHLVALYYQSEEQAEELLDMAVLKDYIAYAHSTIMPRLS EEASQALIEAYVDMRKIGSSRGMVSAYPRQLESIRLAEAHAKVRLSNKVEAID VEEAKRLHREALKQSATDPRTGIVDISILTTGMSATSRKRKEELAEALKKLILSKG KTPALKYQQLFEDIRGQSDIAITKDMFEEALRALADDDFLTVTGTGKTVRL
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Application Notes	It has been used for WB and IF.

**Images**

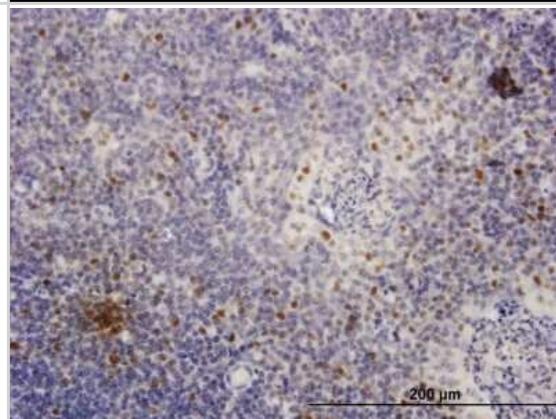
Western Blot: MCM4 Antibody [H00004173-B01P] - Analysis of MCM4 expression in human placenta.



Immunocytochemistry/Immunofluorescence: MCM4 Antibody [H00004173-B01P] - Analysis of purified antibody to MCM4 on HeLa cell. (antibody concentration 10 ug/ml)



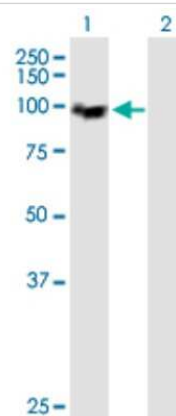
Immunohistochemistry-Paraffin: MCM4 Antibody [H00004173-B01P] - Analysis of purified antibody to MCM4 on formalin-fixed paraffin-embedded human tonsil. (antibody concentration 3 ug/ml)



Western Blot: MCM4 Antibody [H00004173-B01P] - Analysis of MCM4 expression in HeLa.



Western Blot: MCM4 Antibody [H00004173-B01P] - Analysis of MCM4 expression in transfected 293T cell line by MCM4 polyclonal antibody. Lane 1: MCM4 transfected lysate(94.93 KDa). Lane 2: Non-transfected lysate.



## Publications

Polasek-Sedlackova H, Miller TCR, Krejci J et al. Solving the MCM paradox by visualizing the scaffold of CMG helicase at active replisomes Nature communications 2022-10-14 [PMID: 36241664] (ICC/IF, Human)

Gallo D, Young JTF, Fourtounis J et al. CCNE1 amplification is synthetic lethal with PKMYT1 kinase inhibition Nature 2022-04-01 [PMID: 35444283] (ICC/IF, Human)



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### **Products Related to H00004173-B01P**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97019-5mg	Mouse IgG Isotype Control
H00004173-P01-10ug	Recombinant Human MCM4 GST (N-Term) Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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