

Rabbit MCM2 Polyclonal Antibody | anti-MCM2 antibody

MCM2 Antibody (C-term)

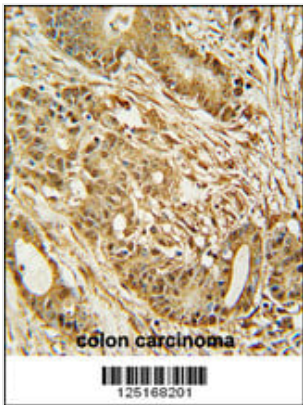
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286163	Rabbit	Human, mouse (Predicted Reactivity: Mouse, Xenopus)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

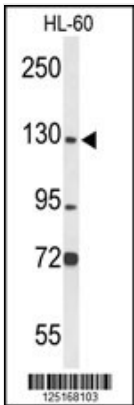
MCM2; Polyclonal Antibody; MCM2 Antibody (C-term); DNA replication licensing factor MCM2; Minichromosome maintenance protein 2 homolog; Nuclear protein BM28; BM28; CCNL1; CDCL1; KIAA0030; anti-MCM2 antibody

PRODUCT SPECIFICATIONS

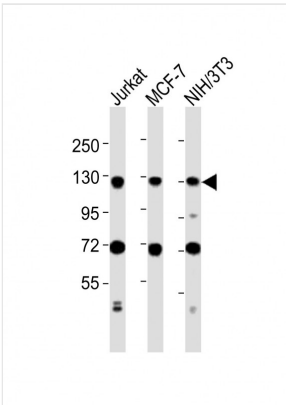
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Mouse, Xenopus)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MCM2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 649-677 amino acids from the C-terminal region of human MCM2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.42 (varies by lot)
Sequence Positions	649-677
Sequence Length	904
Applicable Applications for anti-MCM2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemisry)
MCM2 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the MCM2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of MCM2 Antibody (C-term) in HL-60 cell line lysates (35ug/lane). MCM2 (arrow) was detected using the purified Pab.



WB (Western Blot)
All lanes : Anti-MCM2 Antibody (C-term) at 1:2000 dilution
Lane 1: Jurkat whole cell lysates
Lane 2: MCF-7 whole cell lysates
Lane 3: NIH/3T3 whole cell lysates
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 102 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-MCM2 antibody	MCM2 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 may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. This protein forms a complex with MCM4, 6, and 7, and has been shown to regulate the helicase activity of the complex. This protein is phosphorylated, and thus regulated by, protein kinases CDC2 and CDC7.
References	Saade, E., et al. Proteomics 9(21):4934-4943(2009) Xu, X., et al. EMBO J. 28(19):3005-3014(2009) Liaw, K., et al. J. Cutan. Pathol. 36(10):1121-1122(2009) Im, J.S., et al. Proc. Natl. Acad. Sci. U.S.A. 106(37):15628-15632(2009) Chuang, L.C., et al. Mol. Cell 35(2):206-216(2009) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Matsuoka, S., et al. Science 316(5828):1160-1166(2007) Olsen, J.V., et al. Cell 127(3):635-648(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	33356547
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NCBI GeneID	4171
NCBI Accession #	NP_004517.2
NCBI GenBank Nucleotide #	NM_004526.3
UniProt Accession #	P49736 ; Q14577 ; Q15023 ; Q8N2V1 ; Q969W7 ; Q96AE1 ; Q9BRM7
Molecular Weight	101896
NCBI Official Full Name	DNA replication licensing factor MCM2
NCBI Official Synonym Full Names	minichromosome maintenance complex component 2
NCBI Official Symbol	MCM2
NCBI Official Synonym Symbols	BM28; CCNL1; CDCL1; cdc19; D3S3194; MITOTIN
NCBI Protein Information	DNA replication licensing factor MCM2
UniProt Protein Name	DNA replication licensing factor MCM2
UniProt Gene Name	MCM2
UniProt Synonym Gene Names	BM28; CCNL1; CDCL1; KIAA0030
UniProt Entry Name	MCM2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/mcm2-antibody-immunohistochemistry-western-blot-elisa/286163>