

Rabbit MCM4 Polyclonal Antibody | anti-MCM4 antibody

MCM4 Antibody (C-term)

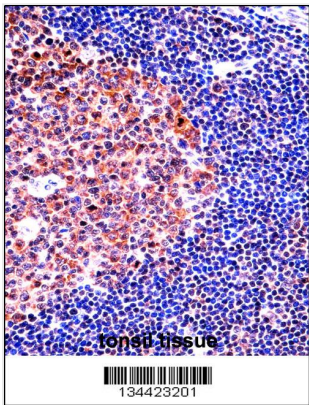
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284567	Rabbit	Human (Predicted Reactivity: Xenopus, Mouse)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

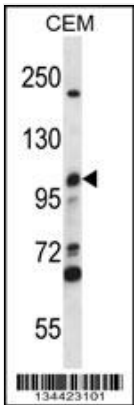
MCM4; Polyclonal Antibody; MCM4 Antibody (C-term); DNA replication licensing factor MCM4; CDC21 homolog; P1-CDC21; CDC21; anti-MCM4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Xenopus, Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MCM4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 637-665 amino acids from the C-terminal region of human MCM4.
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: 0.5 (varies by lot)
Sequence Positions	637-665
Sequence Length	863
Applicable Applications for anti-MCM4 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 (Immunohiostchemistry)
MCM4 Antibody (C-term) (AAA284567)immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of MCM4 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
MCM4 Antibody (C-term) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the MCM4 antibody detected the MCM4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MCM4 antibody	The protein encoded by this gene is one of the highly conserved mini-chromosome 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.
References	Olson, J.E., et al. Breast Cancer Res. Treat. (2010) In press : Qian, Z., et al. PLoS Pathog. 6 (3), E1000814 (2010) : Ladstein, R.G., et al. BMC Cancer 10, 140 (2010) : Hosgood, H.D. III, et al. Occup Environ Med 66(12):848-853(2009) Enjuanes, A., et al. Cancer Res. 68(24):10178-10186(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	33469919
NCBI GeneID	4173
NCBI Accession #	NP_005905.2; NP_877423.1
NCBI GenBank Nucleotide #	NM_005914.3
UniProt Accession #	P33991; Q8NEH1; Q99658
Molecular Weight	96558
NCBI Official Full Name	DNA replication licensing factor MCM4
NCBI Official Synonym Full Names	minichromosome maintenance complex component 4
NCBI Official Symbol	MCM4

NCBI Official Synonym Symbols	NKCD; CDC21; CDC54; NKGCD; hCdc21; P1-CDC21
NCBI Protein Information	DNA replication licensing factor MCM4
UniProt Protein Name	DNA replication licensing factor MCM4
UniProt Gene Name	MCM4
UniProt Synonym Gene Names	CDC21
UniProt Entry Name	MCM4_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/mcm4-antibody-immunohistochemistry-western-blot-elisa/284567>