Rabbit MCM4 Polyclonal Antibody | anti-MCM4 antibody

Phospho-MCM4 (Ser88) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328445	**Rabbit**	**Human, Mouse, RatPredicted: Pig, Horse, Rabbit, Dog**	**ELISA, Immunohistochemistry, Western Blot**

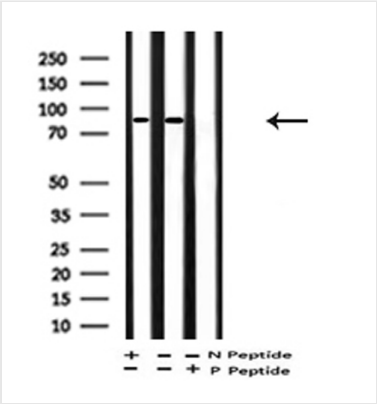
PRODUCT SYNONYMS

MCM4; Polyclonal Antibody; Phospho-MCM4 (Ser88) Antibody; 19G; AI325074; AU045576; CDC 21; CDC 54; CDC21; CDC21 homolog; S. pombe; homolog of; CDC54; Cell division cycle 21; DNA replication licensing factor MCM 4; DNA replication licensing factor MCM4; hCdc 21; hCdc21; Homolog of S. pombe cell devision cycle 21; KIAA4003; mcdc21; MCM 4; MCM 4 minichromosome maintenance deficient 4; mcm4; MCM4 minichromosome maintenance deficient 4; mitotin (S. cerevisiae); MCM4_HUMAN; Mcmd4; MGC33310; Minichromosome maintenance 4; Minichromosome maintenance complex component 4; Minichromosome maintenance deficient (S. cerevisiae) 4; Minichromosome maintenance deficient 4; Minichromosome maintenance deficient 4 homolog (S. cerevisiae); Minichromosome maintenance; S. cerevisiae; 4; mKIAA4003; NKCD; NKGCD; P1 CDC21; P1-CDC21; P1CDC21; anti-MCM4 antibody

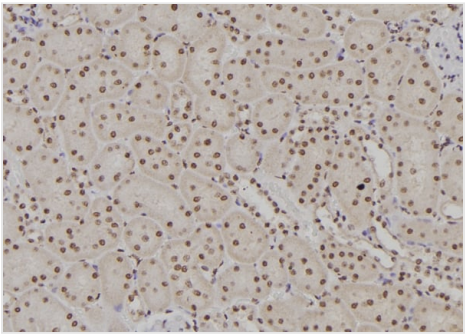
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Horse, Rabbit, Dog
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-MCM4 (Ser88) Antibody detects endogenous levels of MCM4 only when phosphorylated at Ser88.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	863
Applicable Applications for anti-MCM4 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MCM4 around the phosphorylation site of Ser88.
Subcellular Location	Nucleus
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of Phospho-MCM4 (Ser88) in lysates of COS7 nocodazole 1ug/ml 16h, using Phospho-MCM4 (Ser88) Antibody.



IHC (Immunohistochemistry)
At 1/100 staining rat kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-MCM4 antibody	Description: Acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The active ATPase sites in the MCM2-7 ring are formed through the interaction surfaces of two neighboring subunits such that a critical structure of a conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity. Post Translational Modifications: Sumoylated; SUMO2 modified in response to stress caused by inhibition of proteasome activity (in vitro). Subunit Structure: Component of the MCM2-7 complex (PubMed:9305914, PubMed:16899510). The complex forms a toroidal hexameric ring with the proposed subunit order MCM2-MCM6-MCM4-MCM7-MCM3-MCM5 (Probable). Interacts with MCMBP (PubMed:17296731). Similarity: Belongs to the MCM family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33469919
NCBI GeneID	4173
NCBI Accession #	NP_005905.2
NCBI GenBank Nucleotide #	NP_005905.2
UniProt Accession #	P33991
Molecular Weight	Observed: 97 kDa Predicted: 97 kDa
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; IMD54; 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-peptide-elisa-immunohistochemistry-western-blot-elisa/328445