

Rabbit MCM5 Polyclonal Antibody | anti-MCM5 antibody

MCM5 Antibody

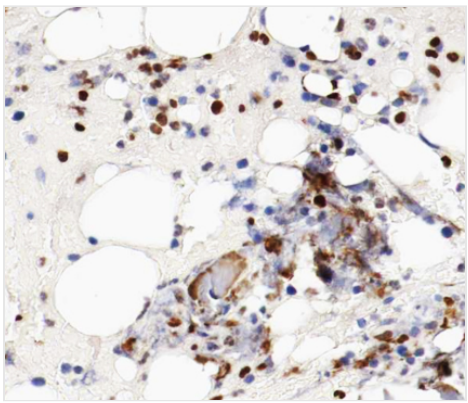
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30925	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

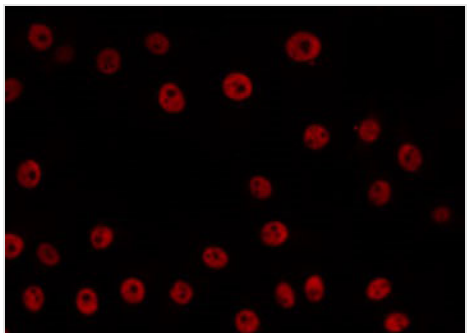
MCM5; Polyclonal Antibody; MCM5 Antibody; CDC 46; CDC46; CDC46 homolog; Cell division cycle 46; DNA replication licensing factor; DNA replication licensing factor MCM 5; DNA replication licensing factor MCM5; MCM 5; MCM5_HUMAN; MGC5315; Minichromosome maintenance complex component 5; Minichromosome maintenance deficient (S. cerevisiae) 5; Minichromosome maintenance deficient 5; Minichromosome maintenance deficient protein 5; P1 CDC46; P1-CDC46; anti-MCM5 antibody

PRODUCT SPECIFICATIONS

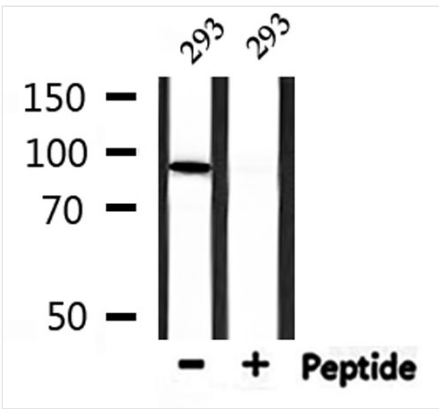
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MCM5 antibody detects endogenous levels of total MCM5
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, sodium azide and glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	734
Applicable Applications for anti-MCM5 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:500-1:3000 IHC: 1:50-1:200 IF/ICC: 1:100-1:500
Immunogen	A synthesized peptide derived from human MCM5
Subcellular Location	Nucleus.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



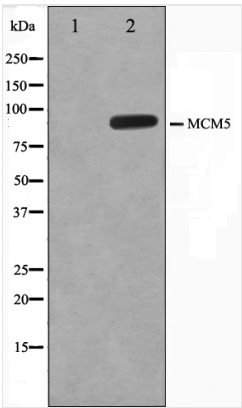
IHC (Immunohistochemistry)
AAA30925 at 1/100 staining human bone tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



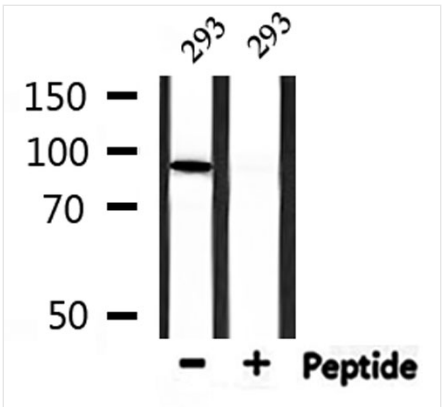
IF (Immunofluorescence)
AAA30925 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HepG2, using MCM5 Antibody.



WB (Western Blot)
Western blot analysis on HepG2 cell lysate using MCM5 Antibody. The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of extracts from 293, using MCM5 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MCM5 antibody	Description: MCM5 Belongs to the MCM family. Function: 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 (By similarity). Interacts with MCMBP. Subunit Structure: Component of the MCM2-7 complex. The complex forms a toroidal hexameric ring with the proposed subunit order MCM2-MCM6-MCM4-MCM7-MCM3-MCM5 (Probable). Interacts with ANKRD17. Similarity: Belongs to the MCM family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	23510448
NCBI GeneID	4174
NCBI Accession #	NP_006730.2
NCBI GenBank Nucleotide #	NM_006739.3
UniProt Accession #	P33992; O60785; Q14578; Q9BTJ4; Q9BWL8
Molecular Weight	Observed: 90 kDa Predicted: 83 kDa
NCBI Official Full Name	DNA replication licensing factor MCM5
NCBI Official Synonym Full Names	minichromosome maintenance complex component 5
NCBI Official Symbol	MCM5
NCBI Official Synonym Symbols	CDC46; MGORS8; P1-CDC46
NCBI Protein Information	DNA replication licensing factor MCM5
UniProt Protein Name	DNA replication licensing factor MCM5
UniProt Gene Name	MCM5
UniProt Synonym Gene Names	CDC46

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.