

MCM2 Monoclonal Antibody | anti-MCM2 antibody

Phospho-MCM2 (Ser40) Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA314503	Recombinant Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

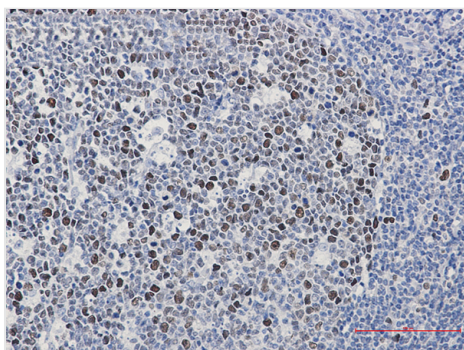
PRODUCT SYNONYMS

MCM2; Monoclonal Antibody; Phospho-MCM2 (Ser40) Rabbit mAb; BM28; CCNL1; CDCL1; cdc19; DFNA70; D3S3194; MITOTIN; anti-MCM2 antibody

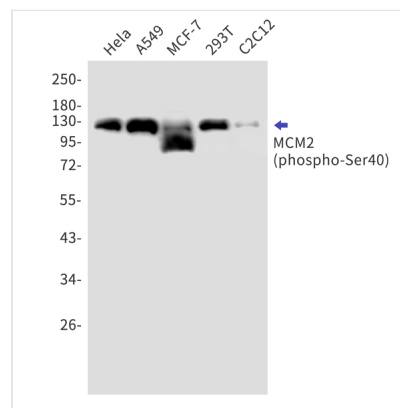
PRODUCT SPECIFICATIONS

Host	Recombinant Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Clone Number	S03-1B3
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-MCM2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Ser40 of human MCM2
Conjugation	Unconjugated
Modification	Phosphorylated
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of MCM2 (phospho-Ser40) in paraffin-embedded Human tonsil using MCM2 (phospho-Ser40) Rabbit mAb at dilution 1/50


WB (Western Blot)

Western blot detection of phospho-MCM2(Ser40) in HeLa, A549, MCF-7, 293T, C2C12 cell lysates using phospho-MCM2(Ser40) Rabbit mAb(1:1000 diluted). Predicted band size: 102kDa. Observed band size: 125kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-MCM2 antibody	The protein encoded by this gene 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. Multiple alternatively spliced transcript variants have been found, but the full-length nature of some variants has not been defined. [provided by RefSeq, Oct 2012]
Product Categories/Family for anti-MCM2 antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	33356547
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	101,896 Da
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; cyclin-like 1; nuclear protein BM28; cell division cycle-like 1; minichromosome maintenance protein 2 homolog; minichromosome maintenance deficient 2 (mitotin); MCM2 minichromosome maintenance deficient 2, mitotin
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.