

Mouse anti-Human MCM7 Monoclonal Antibody | anti-MCM2 antibody

MCM7 (ProliferationMarker) Mouse Monoclonal Antibody [Clone MCM2/3678]

CATALOG # AAA215795	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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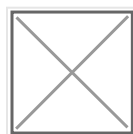
PRODUCT SYNONYMS

MCM7; Monoclonal Antibody; MCM7 (ProliferationMarker) Mouse Monoclonal Antibody [Clone MCM2/3678]; MCM7 (ProliferationMarker); BM28; CCNL1; CDC like 1; cdc19; CDCL1; Cell division cycle like 1; Cyclin like 1; DNA replication licensing factor MCM2; KIAA0030; Minichromosome maintenance complex component 2; Minichromosome maintenance deficient 2 (mitotin); Minichromosome maintenance protein 2 homolog; Mitotin; Nuclear protein BM28; anti-MCM2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse/IgG1, kappa
Clone Number	MCM2/3678
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Concentration	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml (varies by lot)
Applicable Applications for anti-MCM2 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant fragment (aa 650-750) of human MCM2 protein (exact sequence is proprietary)
Cellular Localization	Nuclear
Positive Control	MCF-7, Jurkat or Ramos cells. Human tonsil.
Hu-chromosome Location	3q21.3
Unigene	477481
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C Antibody without azide: store at -20 to -80 degree C Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human tonsil stained with MCM2 Mouse Monoclonal Antibody (MCM2/3678). Inset: PBS instead of primary antibody, secondary only control.

ADDITIONAL INFORMATION

Related Product Information for anti-MCM2 antibody	The specificity of this monoclonal antibody to its intended target was validated by HuProt™ Array, containing more than 19,000, full-length human proteins. MCM7 is one of the highly conserved mini-chromosome maintenance proteins (MCM) that is essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by the MCM proteins is a key component of the pre-replication complex 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, 4 and 6 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. Cyclin D1-dependent kinase, CDK4, is found to associate with this protein, and may regulate the binding of this protein with the tumor suppressor protein RB1/RB.
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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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mcm7-antibody-clone-mcm2-3678-immunohistochemistry-elisa/215795>