

Mouse anti-Human MCM6 Monoclonal Antibody | anti-MCM6 antibody

MCM6 (Proliferation Marker)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215080	Mouse	Human	Immunohistochemistry

PRODUCT SYNONYMS

MCM6; Monoclonal Antibody; MCM6 (Proliferation Marker); DNA replication licensing factor MCM6; MCM6 minichromosome maintenance deficient 6; MIS5 homolog; p105MCM; anti-MCM6 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	MCM6/2999
Specificity	The mini-chromosome maintenance (MCM) family of proteins, including MCM2, MCM3, MCM6 (Cdc21), MCM5 (Cdc46), MCM6 (Mis5) and MCM7 (Cdc47), are regulators of DNA replication that act to ensure replication occurs only once in the cell cycle. Expression of MCM proteins increases during cell growth, peaking at G1/S phase. The MCM proteins each contain an ATP-binding motif, which is predicted to mediate ATP-dependent opening of double-stranded DNA. MCM proteins are regulated by E2F transcription factors, which induce MCM expression, and by protein kinases, which interact with MCM proteins to maintain the post-replicative state of the cell. MCM2/MCM6 complexes function as substrates for Cdc2/cyclin B in vitro.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
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.
Sequence Length	821
Applicable Applications for anti-MCM6 antibody	IHC (Immunohistochemistry)
Positive Control	Human skin or squamous cell carcinoma (IHC).
Immunogen	Recombinant fragment (around aa 228-368) of human MCM6 protein (exact sequence is proprietary)
Cellular Localization	Nuclear
Hu-chromosome Location	2q21.3
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



Application Data

Analysis of Protein Array containing >19,000 full-length human proteins using MCM6 Mouse Monoclonal Antibody (MCM6/2999) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS_PAGE

SDS-PAGE Analysis Purified MCM6 Mouse Monoclonal Antibody (MCM6/2999). Confirmation of Integrity and Purity of Antibody.



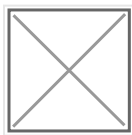
IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with MCM6 Mouse Monoclonal Antibody (MCM6/2999).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Tonsil stained with MCM6 Mouse Monoclonal Antibody (MCM6/2999).



IHC (Immunohistochemistry)

Formalin-fixed, paraffin-embedded human Colon stained with MCM6 Mouse Monoclonal Antibody (MCM6/2999).

ADDITIONAL INFORMATION

References	Koonin, E.V. 1993. Nucleic Acids Res. 21: 2541-2
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2497824
NCBI GeneID	4175
UniProt Accession #	Q14566
Molecular Weight	105kDa
NCBI Official Full Name	DNA replication licensing factor MCM6
NCBI Official Synonym Full Names	minichromosome maintenance complex component 6
NCBI Official Symbol	MCM6
NCBI Official Synonym Symbols	Mis5; P105MCM; MCG40308
NCBI Protein Information	DNA replication licensing factor MCM6
UniProt Protein Name	DNA replication licensing factor MCM6
UniProt Gene Name	MCM6
UniProt Entry Name	MCM6_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/mcm6-antibody-clone-mcm6-2999-immunohistochemistry-elisa/215080>