

Mouse MCM3 Monoclonal Antibody | anti-MCM3 antibody

MCM3 (Minichromosome Maintenance Complex Component 3, HCC5, MGC1157, P1-MCM3, P1.h, RLFB) (AP)

CATALOG # AAA25980	HOST Mouse	APPLICATIONS Western Blot
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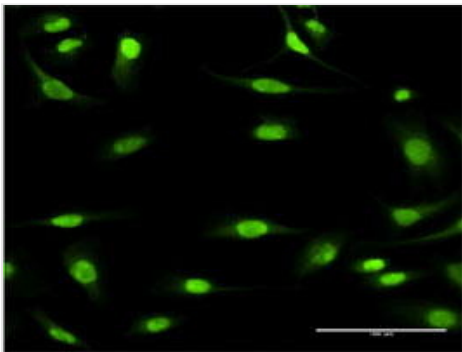
PRODUCT SYNONYMS

MCM3; Monoclonal Antibody; MCM3 (Minichromosome Maintenance Complex Component 3; HCC5; MGC1157; P1-MCM3; P1.h; RLFB) (AP); Minichromosome Maintenance Complex Component 3; RLFB; anti-MCM3 antibody

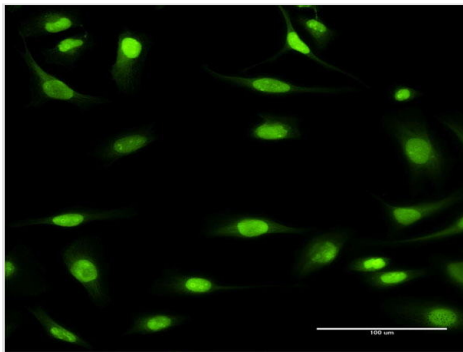
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2H3
Specificity	Recognizes MCM3.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Applicable Applications for anti-MCM3 antibody	WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	MCM3 (NP_002379, 699aa-808aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	AKDGDSDPYDFSDTEEMPQVHTPKTADSQETKESQKVELSESRLKAFKVALLDVFREAHAQSIGMNRLTESINRDSEEPFSSVEIQAALSKMQDDNQV
Conjugate	AP
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

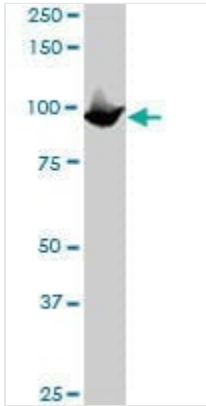
IMAGES



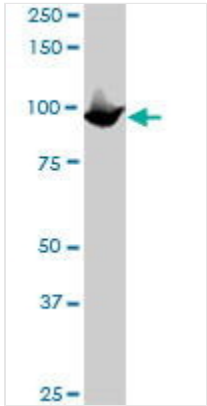
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to MCM3 on HeLa cell. [antibody concentration 10 ug/ml]



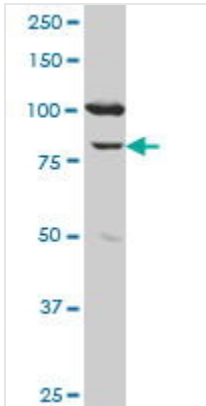
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to MCM3 on HeLa cell. [antibody concentration 10 ug/ml]



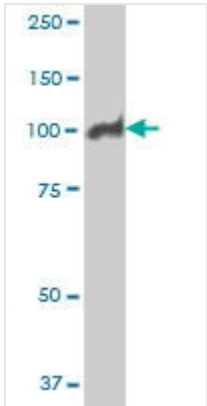
Application Data
Detection limit for recombinant GST tagged MCM3 is approximately 0.1ng/ml as a capture antibody.



WB (Western Blot)
MCM3 monoclonal antibody (M04), clone 2H3. Western Blot analysis of MCM3 expression in Y-79.



WB (Western Blot)
MCM3 monoclonal antibody (M04), clone 2H3. Western Blot analysis of MCM3 expression in human ovarian cancer.



WB (Western Blot)
MCM3 monoclonal antibody (M04), clone 2H3. Western Blot analysis of MCM3 expression in HeLa S3 NE.

ADDITIONAL INFORMATION

Related Product Information for anti-MCM3 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 is a subunit of the protein complex that consists of MCM2-7. It has been shown to interact directly with MCM5/CDC46. This protein also interacts with, and thus is acetylated by MCM3AP, a chromatin-associated acetyltransferase. The acetylation of this protein inhibits the initiation of DNA replication and cell cycle progression. [provided by RefSeq]

Product Categories/Family for anti-MCM3 antibody	Antibodies; DNA Replication; Repair
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NCBI AND UNIPROT INFORMATION

NCBI GI #	394582093
NCBI GeneID	4172
NCBI Accession #	NP_002379
NCBI GenBank Nucleotide #	NM_002388
UniProt Accession #	P25205; Q92660; Q9BTR3; Q9NUE7; B4DWW4
Molecular Weight	95,908 Da
NCBI Official Full Name	DNA replication licensing factor MCM3 isoform 1
NCBI Official Synonym Full Names	minichromosome maintenance complex component 3
NCBI Official Symbol	MCM3
NCBI Official Synonym Symbols	HCC5; P1.h; RLFB; P1-MCM3
NCBI Protein Information	DNA replication licensing factor MCM3; DNA polymerase alpha holoenzyme-associated protein P1; DNA replication factor MCM3; MCM3 minichromosome maintenance deficient 3; RLF subunit beta; cervical cancer proto-oncogene 5; hRlf beta subunit; p102; replicatio
UniProt Protein Name	DNA replication licensing factor MCM3
UniProt Gene Name	MCM3
UniProt Entry Name	MCM3_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/mcm3-antibody-clone-2h3-western-blot-elisa/25980>