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

MCM7 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48946	**Mouse**	**Human**	**Immunofluorescence, Immunocytochemistry, Western Blot, ELISA**

PRODUCT SYNONYMS

MCM7; Monoclonal Antibody; MCM7 antibody; DNA replication licensing factor MCM7 isoform 2; CDC47; MCM2; P1.1-MCM3; P1CDC47; P85MCM; PNAS146; anti-MCM7 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT118H7
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	543
Applicable Applications for anti-MCM7 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human MCM7 (1-414aa) purified from E. coli.
Clone Note	Anti-human MCM7 mAb, clone AT118H7, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human MCM7 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES

IF (Immunofluorescence)
ICC/IF analysis of MCM7 in MCF7 cells. The cell was stained with ATGA0481 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

WB (Western Blot)
The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human MCM7 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: Jurkat cell lysate Lane 3.: K562 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-MCM7 antibody	MCM7 is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are 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 (pre_RC) 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 tumorsuppressor protein RB1/RB.
Product Categories/Family for anti-MCM7 antibody	Epigenomics
References	Zhou Y.M., et al. (2012) Liver Int. 32 (10): 1505-1509.; Liu,Y.Liu Y.Z., et al. (2012) Lung Cancer. 77 (1): 176-182.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33469922
NCBI GeneID	4176
NCBI Accession #	NP_877577
NCBI GenBank Nucleotide #	NM_182776.2
UniProt Accession #	P33993; Q15076; Q96D34; Q96GL1; A4D2A1; A4D2A2; E9PGN9
Molecular Weight	60,643 Da
NCBI Official Full Name	DNA replication licensing factor MCM7 isoform 2
NCBI Official Synonym Full Names	minichromosome maintenance complex component 7
NCBI Official Symbol	MCM7
NCBI Official Synonym Symbols	MCM2; CDC47; P85MCM; P1CDC47; PNAS146; PPP1R104; P1.1-MCM3
NCBI Protein Information	DNA replication licensing factor MCM7
UniProt Protein Name	DNA replication licensing factor MCM7
UniProt Gene Name	**MCM7**
UniProt Synonym Gene Names	CDC47; MCM2

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-at118h7-immunofluorescence-immunocytochemistry-western-blot-elisa/48946