

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

MCM2 (DNA Replication Licensing Factor MCM2, Minichromosome Maintenance Protein 2 Homolog, Nuclear Protein BM28, BM28, CCNL1, CDCL1, KIAA0030, MGC10606) (HRP)

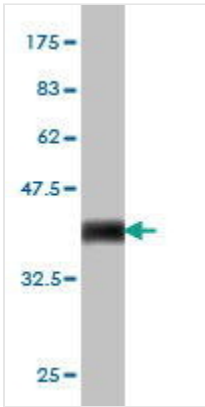
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25449	Mouse	Human	ELISA, Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

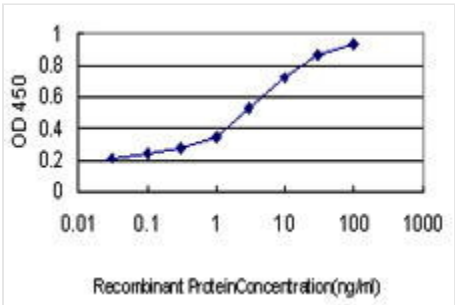
MCM2; Monoclonal Antibody; MCM2 (DNA Replication Licensing Factor MCM2; Minichromosome Maintenance Protein 2 Homolog; Nuclear Protein BM28; BM28; CCNL1; CDCL1; KIAA0030; MGC10606) (HRP); anti-MCM2 antibody

PRODUCT SPECIFICATIONS

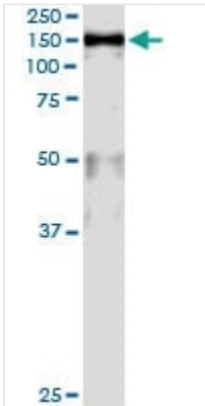
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	6A8
Specificity	Recognizes human MCM2.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-MCM2 antibody	ELISA, IP (Immunoprecipitation), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa805-904 from human MCM2 (AAH07670) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	TQKFSVMRSMRKTFARYLSFRRDNNELLFILKQLVAEQVTYQRNRFGAQQDTIEVPEKDLVDKARQINIHNLSAFYDSELFMRNKFSDHLKRKMILQQF
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



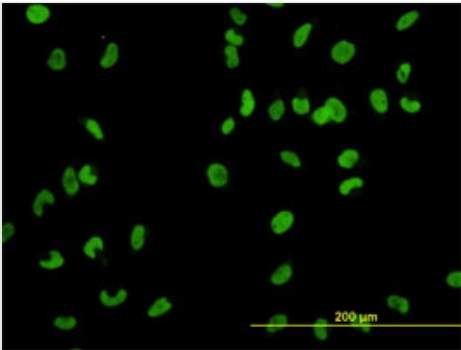
WB (Western Blot)
Western Blot detection against Immunogen (36.63kD).



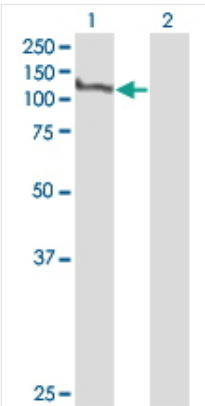
Application Data
Detection limit for recombinant GST tagged MCM2 is ~0.1ng/ml as a capture antibody.



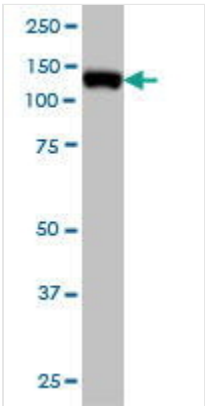
IP (Immunoprecipitation)
Immunoprecipitation of MCM2 transfected lysate using MCM2 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with MCM2 rabbit polyclonal antibody.



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to MCM2 on HeLa cell. [antibody concentration 10ug/ml]



WB (Western Blot)
Western Blot analysis of MCM2 expression in transfected 293T cell line by MCM2 monoclonal antibody. Lane 1: MCM2 transfected lysate (101.9kD). Lane 2: Non-transfected lysate.



WB (Western Blot)
MCM2 monoclonal antibody Western Blot analysis of MCM2 expression in HeLa NE.

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.
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Product Categories/Family for anti-MCM2 antibody

[Antibodies](#); [DNA Replication](#); [Repair](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	37589852
NCBI GeneID	4171
Molecular Weight	101,896 Da
NCBI Official Full Name	Homo sapiens minichromosome maintenance complex component 2, mRNA
NCBI Official Synonym Full Names	minichromosome maintenance complex component 2
NCBI Official Symbol	MCM2
NCBI Official Synonym Symbols	BM28; CCNL1; CDCL1; cdc19; DFNA70; D3S3194; MITOTIN
NCBI Protein Information	DNA replication licensing factor 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/mcm2-antibody-clone-6a8-immunoprecipitation-western-blot-elisa/25449>