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KD-Validated Anti-MCM6 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1019

Product Information

Application	WB, FC, ICC
Primary Accession	Q14566
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB 2005
Calculated MW	92889
Gene Name	MCM6
Aliases	MCM6; Minichromosome Maintenance Complex Component 6; Minichromosome Maintenance Deficient (Mis5, S. Pombe) 6; DNA Replication Licensing Factor MCM6; P105MCM; Mis5; MCM6 Minichromosome Maintenance Deficient 6 (MIS5 Homolog, S. Pombe) (S. Cerevisiae); MCM6 Minichromosome Maintenance Deficient 6 (MIS5 Homolog, S. Pombe); Minichromosome Maintenance Deficient 6 Homolog (S. Cerevisiae); MIS5 Homolog (S.Pombe); EC 3.6.4.12; MCG40308; MIS5
Immunogen	A synthesized peptide derived from human MCM6

Additional Information

Gene ID	4175
Other Names	DNA replication licensing factor MCM6, 3.6.4.12, p105MCM, MCM6 (HGNC:6949)

Protein Information

Name	MCM6 (HGNC:6949)
Function	Acts as a component of the MCM2-7 complex (MCM complex) which is the replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. Core component of CDC45-MCM-GINS (CMG) helicase, the molecular machine that unwinds template DNA during replication, and around which the replisome is built (PubMed:16899510, PubMed:32453425, PubMed:34694004, PubMed:34700328, PubMed:35585232, PubMed:9305914). The active ATPase sites in the MCM2-7 ring are formed through the interaction surfaces of two neighboring subunits such that a critical structure of a conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity (PubMed:32453425).
Cellular Location	Nucleus. Chromosome. Note=Binds to chromatin during G1 and detaches

from it during S phase.

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