

KD-Validated Anti-MCM5 Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1871**Specification****KD-Validated Anti-MCM5 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	P33992
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 82 kDa, observed, 82 kDa kDa
Gene Name	MCM5
Aliases	MCM5; Minichromosome Maintenance Complex Component 5; CDC46; DNA Replication Licensing Factor MCM5; CDC46 Homolog; P1-CDC46; MCM5 Minichromosome Maintenance Deficient 5, Cell Division Cycle 46 (S. Cerevisiae); Minichromosome Maintenance Deficient (S. Cerevisiae) 5 (Cell Division Cycle 46); MCM5 Minichromosome Maintenance Deficient 5, Cell Division Cycle 46; Minichromosome Maintenance Deficient 5 (Cell Division Cycle 46); EC 3.6.4.12; MGORS8
Immunogen	A synthesized peptide derived from human MCM5

KD-Validated Anti-MCM5 Rabbit Monoclonal Antibody - Additional Information

Gene ID	4174
Other Names	
DNA replication licensing factor MCM5 {ECO:0000303 Ref.3}, 3.6.4.12, CDC46 homolog, P1-CDC46, MCM5, CDC46	

KD-Validated Anti-MCM5 Rabbit Monoclonal Antibody - Protein Information**Name** MCM5**Synonyms** CDC46**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). 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

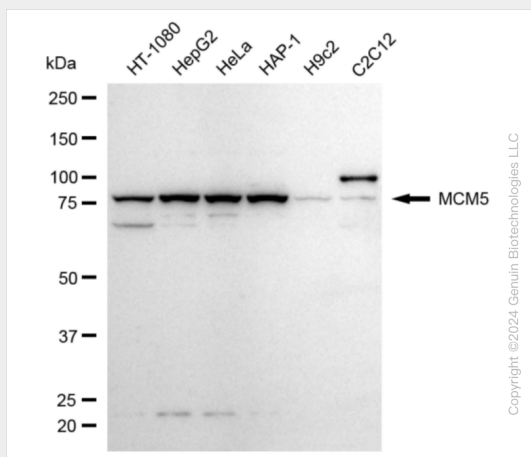
Nucleus. Chromosome. Note=Associated with chromatin before the formation of nuclei and detaches from it as DNA replication progresses.

KD-Validated Anti-MCM5 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-MCM5 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-MCM5 antibody (Cat#63302). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-MCM5 antibody (Cat#63302, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716). MCM5, minichromosome maintenance complex component 5.

