10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MCM4 Rabbit mAb
Catalog # AP76583

Specification

MCM4 Rabbit mAb - Product Information

Application	**WB, IP**
Primary Accession	P33991
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Monoclonal Antibody**
Calculated MW	**96558**

MCM4 Rabbit mAb - Additional Information

Gene ID 4173

Other Names
MCM4

Dilution
WB~~1/500-1/1000
IP~~N/A

Format
Liquid

MCM4 Rabbit mAb - Protein Information

Name MCM4 (HGNC:6947)

Synonyms CDC21

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:25661590, 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:<a

href="http://www.uniprot.org/citations/16899510" target="_blank">16899510, PubMed:25661590, PubMed:32453425, PubMed:9305914).

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

MCM4 Rabbit mAb - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MCM4 Rabbit mAb - Images