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MCM3 Rabbit mAb
Catalog # AP74816

Specification

MCM3 Rabbit mAb - Product Information

Application	**WB, IHC-P, IHC-F, ICC**
Primary Accession	P25205
Reactivity	**Human, Rat**
Host	**Rabbit**
Clonality	**Monoclonal Antibody**
Calculated MW	**90981**

MCM3 Rabbit mAb - Additional Information

Gene ID 4172

Other Names
MCM3

Dilution
WB~~1/500-1/1000
IHC-P~~N/A
IHC-F~~N/A
ICC~~N/A

Format
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

Storage
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

MCM3 Rabbit mAb - Protein Information

Name MCM3 (HGNC:6945)

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: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:<a

href="http://www.uniprot.org/citations/32453425" target="_blank">32453425). Required for the entry in S phase and for cell division (Probable).

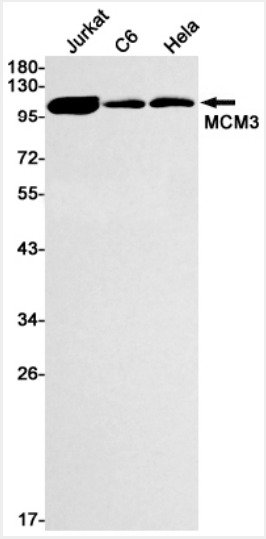
Cellular Location
Nucleus. Chromosome. Note=Associated with chromatin before the formation of nuclei and detaches from it as DNA replication progresses.

MCM3 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

MCM3 Rabbit mAb - Images



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