

**MCM2 Rabbit mAb**  
Catalog # AP75697**Specification****MCM2 Rabbit mAb - Product Information**

Application	<b>WB, IF</b>
Primary Accession	<a href="#">P49736</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>101896</b>

**MCM2 Rabbit mAb - Additional Information****Gene ID** 4171**Other Names**

MCM2

**Dilution**

WB~~1/500-1/1000

IF~~1/50-1/200

**Format**

Liquid

**MCM2 Rabbit mAb - Protein Information****Name** MCM2 ([HGNC:6944](#))**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](http://www.uniprot.org/citations/32453425)), PubMed:[34694004](http://www.uniprot.org/citations/34694004)), PubMed:[34700328](http://www.uniprot.org/citations/34700328)), PubMed:[35585232](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/32453425)). Required for the entry in S phase and for cell division (PubMed:[8175912](http://www.uniprot.org/citations/8175912)). Plays a role in terminally differentiated hair cells development of the cochlea and induces cells apoptosis (PubMed:[26196677](http://www.uniprot.org/citations/26196677)).

### Cellular Location

Nucleus. Chromosome. Note=Associated with chromatin before the formation of nuclei and detaches from it as DNA replication progresses. {ECO:0000250|UniProtKB:P55861}

### MCM2 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 Cytometry](#)
- [Cell Culture](#)

### MCM2 Rabbit mAb - Images



