

## **Anti-MCM6 Rabbit Monoclonal Antibody**

**Catalog # ABO16547** 

# **Specification**

# **Anti-MCM6 Rabbit Monoclonal Antibody - Product Information**

Application WB, IHC, IF, ICC, IP, FC

Primary Accession

Host
Isotype

Q14566
Rabbit
IgG

Reactivity Rat, Human, Mouse

Clonality Monoclonal Format Liquid

**Description** 

Anti-MCM6 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

# **Anti-MCM6 Rabbit Monoclonal Antibody - Additional Information**

### **Gene ID 4175**

## **Other Names**

DNA replication licensing factor MCM6, 3.6.4.12, p105MCM, MCM6 (<a href="http://www.genenames.org/cgi-bin/gene\_symbol\_report?hgnc\_id=6949" target=" blank">HGNC:6949</a>)

# Calculated MW 105 kDa KDa

#### **Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:50<br/>FC 1:50

#### Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

# **Immunogen**

A synthesized peptide derived from human MCM6

### **Purification**

Affinity-chromatography

Storage Store at -20°C for one year. For short term

storage and frequent use, store at 4°C for

up to one month. Avoid repeated

freeze-thaw cycles.

## Anti-MCM6 Rabbit Monoclonal Antibody - 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:<a href="http://www.uniprot.org/citations/16899510" target="\_blank">16899510</a>, PubMed:<a href="http://www.uniprot.org/citations/32453425" target="\_blank">32453425</a>, PubMed:<a href="http://www.uniprot.org/citations/34694004" target="\_blank">34694004</a>, PubMed:<a href="http://www.uniprot.org/citations/34700328" target="\_blank">34700328</a>, PubMed:<a href="http://www.uniprot.org/citations/35585232" target="\_blank">35585232</a>, PubMed:<a href="http://www.uniprot.org/citations/9305914" target="\_blank">9305914</a>). 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</a>).

### **Cellular Location**

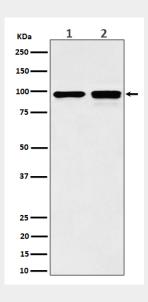
Nucleus. Chromosome. Note=Binds to chromatin during G1 and detaches from it during S phase.

## **Anti-MCM6 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 Cytomety
- Cell Culture

#### Anti-MCM6 Rabbit Monoclonal Antibody - Images







Western blot analysis of MCM6 expression in (1) MCF7 cell lysate; (2) NIH/3T3 cell lysate.