

A1060

Leader in Biomolecular Solutions for Life Science



MCM3 Rabbit pAb

Catalog No.: A1060

4 Publications

Basic Information

Observed MW

105kDa

Calculated MW

91kDa

Category

Polyclonal Antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human,Mouse,Rat

Background

The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are involved in the initiation of eukaryotic genome replication. The hexameric protein complex formed by MCM proteins is a key component of the pre-replication complex (pre_RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. This protein is a subunit of the protein complex that consists of MCM2-7. It has been shown to interact directly with MCM5/CDC46. This protein also interacts with and is acetylated by MCM3AP, a chromatin-associated acetyltransferase. The acetylation of this protein inhibits the initiation of DNA replication and cell cycle progression. Several transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB 1:500 - 1:2000

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

Immunogen Information

Gene ID

4172

Swiss Prot

P25205

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-295 of human MCM3 (NP_002379.2).

Synonyms

HCC5; P1.h; RLFB; P1-MCM3; MCM3

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

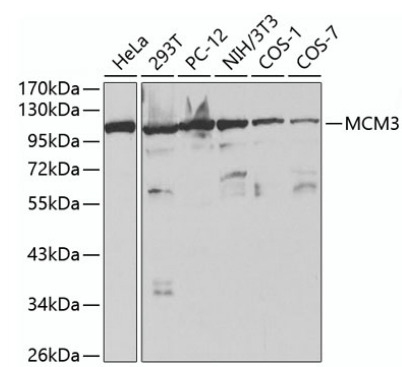
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of various lysates using MCM3 Rabbit pAb (A1060) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST.

Immunoprecipitation analysis of 300 µg extracts of NIH/3T3 cells using 3 µg MCM3 antibody (A1060). Western blot was performed from the immunoprecipitate using MCM3 antibody (A1060) at a dilution of 1:1000.

