

Mcm2 (yN-19): sc-6680



The Power to Question

BACKGROUND

Orc1 and Orc2 (also designated RRR1 or SIR5) are two of the six subunits that compose the yeast origin of replication complex (ORC). This complex binds to autonomously replicating sequences (ARS) and serves as an initiator protein for DNA replication. The minichromosome maintenance (Mcm) proteins also play an essential role in regulating DNA replication by binding to chromatin and activating the ORC-ARS complex. Cdc6, involved in limiting DNA replication to once per cell cycle, binds to the ORC and is essential for the assembly of the Mcm proteins. The transcription factor Abf1 (also designated Obf1 or Baf1) also binds to the ARS and plays a role in gene silencing as well as in DNA replication.

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SOURCE

Mcm2 (yN-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of Mcm2 of *Saccharomyces cerevisiae* origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-6680 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

Mcm2 (yN-19) is recommended for detection of Mcm2 of *Saccharomyces cerevisiae* origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000).

Molecular Weight of Mcm2: 130 kDa.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

SELECT PRODUCT CITATIONS

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- Kueng, S., et al. 2012. Regulating repression: roles for the sir4 N-terminus in linker DNA protection and stabilization of epigenetic states. *PLoS Genet.* 8: e1002727.

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Try **Mcm2 (C-3): sc-515723**, our highly recommended monoclonal alternative to Mcm2 (yN-19).