

**CJ119 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP4727a****Specification**

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**CJ119 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q9BTE3](#)**CJ119 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 79892**Other Names**

Mini-chromosome maintenance complex-binding protein, MCM-BP, MCM-binding protein, MCMBP, C10orf119

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**CJ119 Antibody (N-term) Blocking Peptide - Protein Information****Name** MCMBP**Synonyms** C10orf119**Function**

Associated component of the MCM complex that acts as a regulator of DNA replication. Binds to the MCM complex during late S phase and promotes the disassembly of the MCM complex from chromatin, thereby acting as a key regulator of pre-replication complex (pre-RC) unloading from replicated DNA. Can dissociate the MCM complex without addition of ATP; probably acts by destabilizing interactions of each individual subunits of the MCM complex. Required for sister chromatid cohesion.

**Cellular Location**

Nucleus. Note=Associates with chromatin. Highly associated with chromatin in G1/S and S phases, reduced binding to chromatin in G2, and further decreased binding in early M phase. It then reassociates with chromatin in late M phase. Dissociates from chromatin later than component of the MCM complex

## **CJ119 Antibody (N-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

## **CJ119 Antibody (N-term) Blocking Peptide - Images**

## **CJ119 Antibody (N-term) Blocking Peptide - Background**

CJ119 is a carefully orchestrated process involving many proteins that assemble at origins of replication. Among these are the 6 proteins of the minichromosome maintenance (MCM) complex (e.g., MCM2; MIM 116945), which form a hexamer. Each MCM subunit performs an essential function in initiation and elongation of DNA replication. MCMBP can replace MCM2 in the MCM complex, thus forming an alternative MCM hexamer.

## **CJ119 Antibody (N-term) Blocking Peptide - References**

Takahashi, N., et al. PLoS Genet. 6 (1), E1000817 (2010) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Sakwe, A.M., et al. Mol. Cell. Biol. 27(8):3044-3055(2007)