

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

CJ119 Antibody (N-term) Blocking Peptide - Product InformationPrimary 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)