

**DMC1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9329a****Specification**

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**DMC1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q14565](#)**DMC1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 11144**Other Names**

Meiotic recombination protein DMC1/LIM15 homolog, DMC1, DMC1H, LIM15

**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.

**DMC1 Antibody (N-term) Blocking Peptide - Protein Information****Name** DMC1**Synonyms** DMC1H, LIM15**Function**

Participates in meiotic recombination, specifically in homologous strand assimilation, which is required for the resolution of meiotic double-strand breaks.

**Cellular Location**

Nucleus {ECO:0000250|UniProtKB:Q61880}. Chromosome {ECO:0000250|UniProtKB:Q61880}

**DMC1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**DMC1 Antibody (N-term) Blocking Peptide - Images****DMC1 Antibody (N-term) Blocking Peptide - Background**

DMC1 is essential for meiotic homologous recombination. Genetic recombination in meiosis plays an important role in generating diversity of genetic information. The product of this protein is structurally and evolutionary related to the products of the yeast RAD51 and E. coli RecA genes.

#### **DMC1 Antibody (N-term) Blocking Peptide - References**

Volodin, A.A. J. Biol. Chem. 284 (3), 1495-1504 (2009) Hikiba, J. FEBS J. 276 (2), 457-465 (2009) Hikiba, J. Nucleic Acids Res. 36 (12), 4181-4190 (2008)