

MND1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18096b**Specification**

MND1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q9BWT6](#)

MND1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 84057

Other Names

Meiotic nuclear division protein 1 homolog, MND1 {ECO:0000312|EMBL:EAX049641}

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.

MND1 Antibody (C-term) Blocking Peptide - Protein Information

Name MND1 {ECO:0000312|EMBL:EAX04964.1}

Function

Required for proper homologous chromosome pairing and efficient cross-over and intragenic recombination during meiosis (By similarity). Stimulates both DMC1- and RAD51-mediated homologous strand assimilation, which is required for the resolution of meiotic double-strand breaks.

Cellular Location

Nucleus.

MND1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

MND1 Antibody (C-term) Blocking Peptide - Images**MND1 Antibody (C-term) Blocking Peptide - Background**

The product of the MND1 gene associates with HOP2 (MIM608665) to form a stable heterodimeric complex that binds DNA and stimulates the recombinase activity of RAD51 (MIM 179617) and DMC1 (MIM 602721) (Chi et al., 2007 [PubMed 17639080]). Both the MND1 and HOP2 genes are indispensable for meiotic recombination.

MND1 Antibody (C-term) Blocking Peptide - References

Rose, J. Phd, et al. Mol. Med. (2010) In press : Chi, P., et al. Genes Dev. 21(14):1747-1757(2007) Enomoto, R., et al. J. Biol. Chem. 281(9):5575-5581(2006) Tsubouchi, H., et al. Mol. Cell. Biol. 22(9):3078-3088(2002)