

**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.**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)

**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](#)