

MND1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18096b**Specification**

MND1 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O9BWT6
Other Accession	NP_115493.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	23753
Antigen Region	174-200

MND1 Antibody (C-term) - Additional Information**Gene ID** 84057**Other Names**

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

Target/Specificity

This MND1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 174-200 amino acids from the C-terminal region of human MND1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MND1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MND1 Antibody (C-term) - 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.

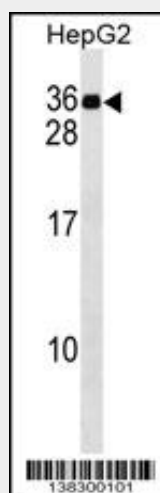
Cellular Location

Nucleus.

MND1 Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MND1 Antibody (C-term) - Images

MND1 Antibody (C-term) (Cat. #AP18096b) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the MND1 antibody detected the MND1 protein (arrow).

MND1 Antibody (C-term) - Background

The product of the MND1 gene associates with HOP2 (MIM 608665) 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) - 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)