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MND1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18096b

Specification

MND1 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9BWT6
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

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.

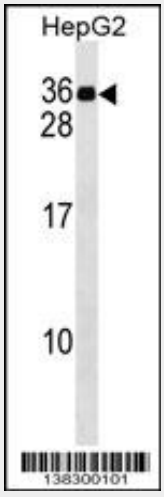
Cellular Location
Nucleus.

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 Cytomety
- 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)