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MND1 Rabbit pAb

Catalog # AP97614

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9BWT6
Other Accession	Q9BWT6
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23753
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GAJ/MND1
Epitope Specificity	1-100/205
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the MND1 family.
SUBUNIT	Heterodimer with PSMC3IP/HOP2. MND1-PSMC3IP interacts with DMC1 and RAD51 and binds preferentially to dsDNA.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The product of the GAJ gene associates with HOP2 to form a stable heterodimeric complex that binds DNA and stimulates the recombinase activity of RAD51 and DMC1. Both the MND1 and HOP2 genes are indispensable for meiotic recombination.

Additional Information

Gene ID	84057
Other Names	GAJ; MND1_HUMAN; MND1; meiotic nuclear divisions 1; meiotic nuclear divisions 1 homolog (S. cerevisiae)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.