

DMC1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9329a**Specification**

DMC1 Antibody (N-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	Q14565
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	37681
Antigen Region	1-30

DMC1 Antibody (N-term) - Additional Information**Gene ID** 11144**Other Names**

Meiotic recombination protein DMC1/LIM15 homolog, DMC1, DMC1H, LIM15

Target/Specificity

This DMC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human DMC1.

Dilution

WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

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

DMC1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DMC1 Antibody (N-term) - Protein Information**Name** DMC1**Synonyms** DMC1H, LIM15

Function Participates in meiotic recombination, specifically in homologous strand assimilation, which is required for the resolution of meiotic double-strand breaks.

Cellular Location

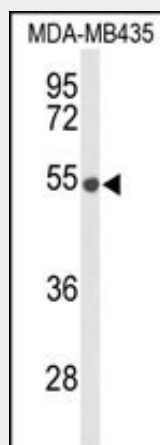
Nucleus {ECO:0000250|UniProtKB:Q61880}. Chromosome {ECO:0000250|UniProtKB:Q61880}

DMC1 Antibody (N-term) - Protocols

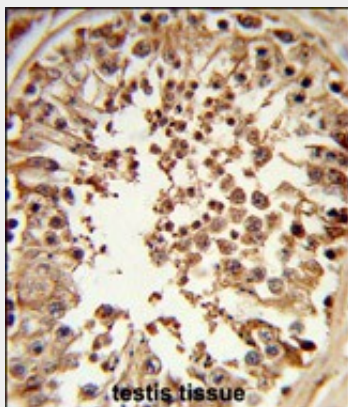
Provided below are standard protocols that you may find useful for product applications.

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

DMC1 Antibody (N-term) - Images

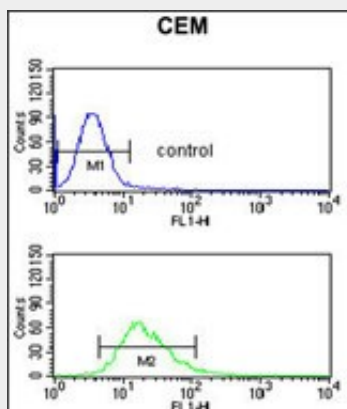


Western blot analysis of DMC1 Antibody (N-term) (Cat. #AP9329a) in MDA-MB435 cell line lysates (35ug/lane). DMC1 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human testis tissue reacted with DMC1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data

demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



DMC1 Antibody (N-term) (Cat. #AP9329a) flow cytometric analysis of CEM cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

DMC1 Antibody (N-term) - Background

DMC1 is essential for meiotic homologous recombination. Genetic recombination in meiosis plays an important role in generating diversity of genetic information. The product of this protein is structurally and evolutionary related to the products of the yeast RAD51 and E. coli RecA genes.

DMC1 Antibody (N-term) - References

- Volodin, A.A. J. Biol. Chem. 284 (3), 1495-1504 (2009)
- Hikiba, J. FEBS J. 276 (2), 457-465 (2009)
- Hikiba, J. Nucleic Acids Res. 36 (12), 4181-4190 (2008)