

Rabbit anti-Human DMC1 Polyclonal Antibody | anti-DMC1 antibody

DMC1 Antibody (N-term)

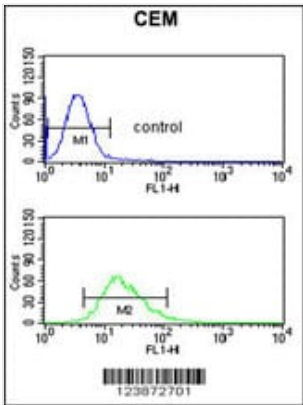
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286824	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

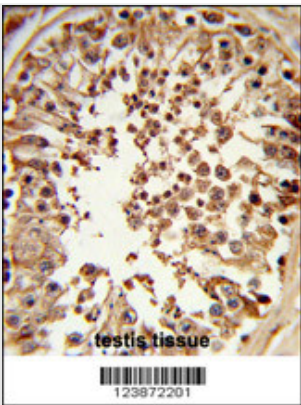
DMC1; Polyclonal Antibody; DMC1 Antibody (N-term); Meiotic recombination protein DMC1/LIM15 homolog; DMC1H; LIM15; anti-DMC1 antibody

PRODUCT SPECIFICATIONS

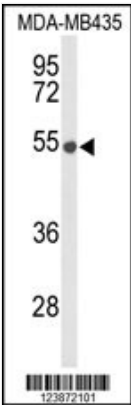
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DMC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human DMC1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	1-30
Sequence Length	285
Applicable Applications for anti-DMC1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
DMC1 Antibody (N-term) 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.



IHC (Immunohistochemistry)
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.



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

ADDITIONAL INFORMATION

Related Product Information for anti-DMC1 antibody	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.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	23238219
NCBI GeneID	11144
NCBI Accession #	NP_008999.2
NCBI GenBank Nucleotide #	NM_007068.3
UniProt Accession #	Q14565; Q08AI1; Q99498; Q9UH11; A8K9A2; B4DMW6
Molecular Weight	37681
NCBI Official Full Name	meiotic recombination protein DMC1/LIM15 homolog isoform 1

NCBI Official Synonym Full Names	DNA meiotic recombinase 1
NCBI Official Symbol	DMC1
NCBI Official Synonym Symbols	DMC1H; LIM15; dJ199H16.1
NCBI Protein Information	meiotic recombination protein DMC1/LIM15 homolog
UniProt Protein Name	Meiotic recombination protein DMC1/LIM15 homolog
UniProt Gene Name	DMC1
UniProt Synonym Gene Names	DMC1H; LIM15
UniProt Entry Name	DMC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dmc1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/286824>