

# Resource Summary Report

Generated by [RRID](#) on Aug 14, 2026

## Mouse Anti-DMC1 Monoclonal Antibody, Unconjugated, Clone 2H12 / 4

RRID:AB\_297706

Type: Antibody

### Proper Citation

Abcam Cat# ab11054, RRID:AB\_297706

### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_297706](http://antibodyregistry.org/AB_297706)

**Proper Citation:** Abcam Cat# ab11054, RRID:AB\_297706

**Target Antigen:** DMC1

**Host Organism:** mouse

**Clonality:** monoclonal

**Comments:** validation status unknown, seller recommendations provided in 2012:  
Immunofluorescence; Immunoprecipitation; Western Blot;  
Immunocytochemistry/Immunofluorescence, Immunoprecipitation, Western Blot

**Antibody Name:** Mouse Anti-DMC1 Monoclonal Antibody, Unconjugated, Clone 2H12 / 4

**Description:** This monoclonal targets DMC1

**Target Organism:** rat, mouse, bovine, human

**Clone ID:** Clone 2H12/4

**Antibody ID:** AB\_297706

**Vendor:** Abcam

**Catalog Number:** ab11054

**Record Creation Time:** 20250820T035802+0000

**Record Last Update:** 20250820T174000+0000

### Ratings and Alerts

No rating or validation information has been found for Mouse Anti-DMC1 Monoclonal Antibody, Unconjugated, Clone 2H12 / 4.

No alerts have been found for Mouse Anti-DMC1 Monoclonal Antibody, Unconjugated, Clone 2H12 / 4.

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 5 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [RRID](#) .

Chen Y, et al. (2021) The SUN1-SPDYA interaction plays an essential role in meiosis prophase I. Nature communications, 12(1), 3176.

Hinch AG, et al. (2020) The Configuration of RPA, RAD51, and DMC1 Binding in Meiosis Reveals the Nature of Critical Recombination Intermediates. Molecular cell, 79(4), 689.

Brandsma I, et al. (2019) HSF2BP Interacts with a Conserved Domain of BRCA2 and Is Required for Mouse Spermatogenesis. Cell reports, 27(13), 3790.

Wang M, et al. (2018) Single-Cell RNA Sequencing Analysis Reveals Sequential Cell Fate Transition during Human Spermatogenesis. Cell stem cell, 23(4), 599.

Inano S, et al. (2017) RFWD3-Mediated Ubiquitination Promotes Timely Removal of Both RPA and RAD51 from DNA Damage Sites to Facilitate Homologous Recombination. Molecular cell, 66(5), 622.