

For Research Use Only

DMC1 Monoclonal antibody

Catalog Number: 67176-1-Ig **2 Publications**



Basic Information

Catalog Number:

67176-1-Ig

Size:

2300 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG6951

GenBank Accession Number:

BC035658

GeneID (NCBI):

11144

UNIPROT ID:

Q14565

Full Name:

DMC1 dosage suppressor of mck1
homolog, meiosis-specific
homologous recombination (yeast)

Calculated MW:

165 aa, 18 kDa, 38 kDa

Observed MW:

37 kDa

Purification Method:

Protein A purification

CloneNo.:

2D5C9

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total
protein lysate

IHC 1:500-1:2000

IF-P 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF-P, IP, ELISA

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Cited Species:

mouse

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : HeLa cells, Jurkat cells, human testis tissue, rat
testis, mouse testis

IP : mouse testis tissue,

IHC : mouse testis tissue,

IF-P : mouse testis tissue,

Background Information

Notable Publications

Author	Pubmed ID	Journal	Application
Miao Li	33250349	J Genet Genomics	IF
Debashish U Menon	39589400	Elife	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

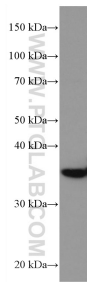
T: 4006900926

E: Proteintech-CN@ptglab.com

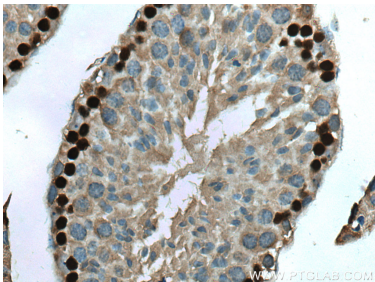
W: ptgcn.com

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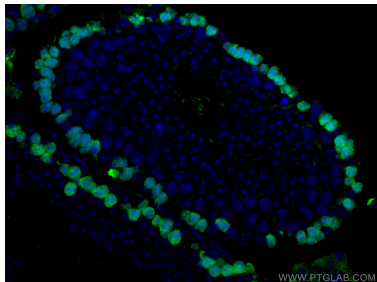
Selected Validation Data



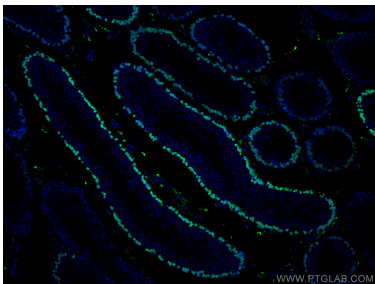
HeLa cells were subjected to SDS PAGE followed by western blot with 67176-1-Ig (DMC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



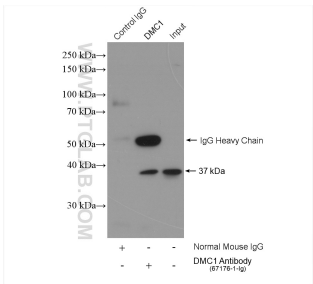
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 67176-1-Ig (DMC1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using DMC1 antibody (67176-1-Ig, Clone: 2D5C9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). DAPI (blue).



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using DMC1 antibody (67176-1-Ig, Clone: 2D5C9) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). DAPI (blue).



IP result of anti-DMC1 (IP:67176-1-Ig, 4ug; Detection:67176-1-Ig 1:1000) with mouse testis tissue lysate 2040 ug.