

For Research Use Only

# DMC1 Monoclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 67176-1-Ig	<b>GenBank Accession Number:</b> BC035658	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2300 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 11144	<b>CloneNo.:</b> 2D5C9
<b>Source:</b> Mouse	<b>Full Name:</b> DMC1 dosage suppressor of mck1 homolog, meiosis-specific homologous recombination (yeast)	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:500-1:2000 for WB
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 165 aa, 18 kDa, 38 kDa	<b>IHC 1:500-1:2000</b> <b>IF 1:200-1:800</b>
<b>Immunogen Catalog Number:</b> AG6951	<b>Observed MW:</b> 37 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, Jurkat cells, human testis tissue
<b>Cited Applications:</b> IF	<b>IP :</b> mouse testis tissue,
<b>Species Specificity:</b> Human, mouse, rat	<b>IHC :</b> mouse testis tissue,
<b>Cited Species:</b> mouse	<b>IF :</b> mouse testis tissue,

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

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Miao Li	33250349	J Genet Genomics	IF

## Storage

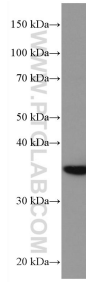
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

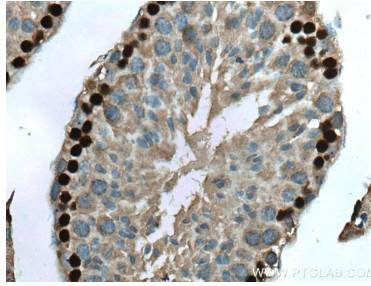
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

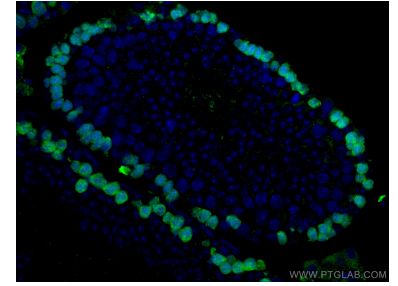
## Selected Validation Data



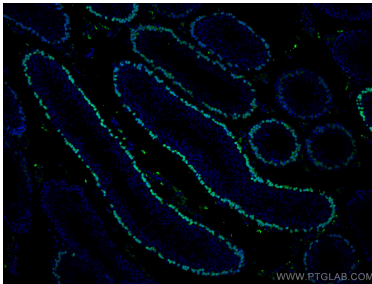
HeLa cells were subjected to SDS PAGE followed by western blot with 67176-1-Ig (DMC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



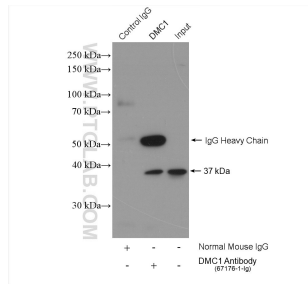
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 67176-1-Ig (DMC1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.