

For Research Use Only

DMC1 Monoclonal antibody

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



Basic Information

Catalog Number: 67176-1-Ig	GenBank Accession Number: BC035658	Purification Method: Protein A purification
Size: 150ul, Concentration: 2300 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 11144	CloneNo.: 2D5C9
Source: Mouse	UNIPROT ID: Q14565	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
Isotype: IgG2a	Full Name: DMC1 dosage suppressor of mck1 homolog, meiosis-specific homologous recombination (yeast)	
Immunogen Catalog Number: AG6951	Calculated MW: 165 aa, 18 kDa, 38 kDa	
	Observed MW: 37 kDa	

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,

Notable Publications

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

Storage

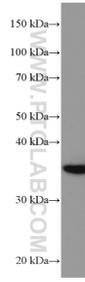
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

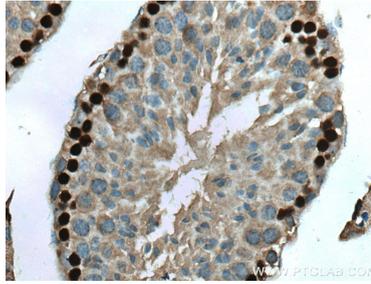
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

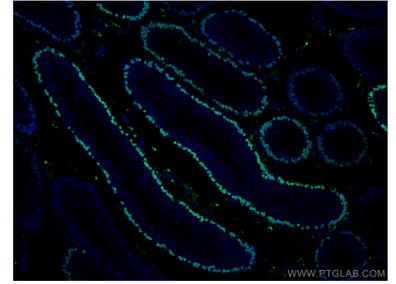
Selected Validation Data



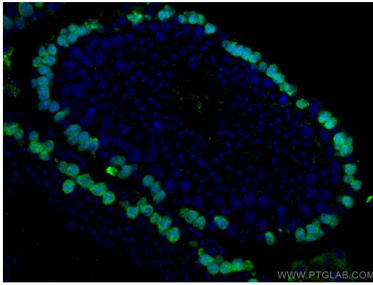
HeLa cells were subjected to SDS PAGE followed by western blot with 67176-1-Ig (DMC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



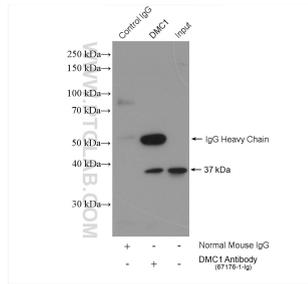
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 67176-1-Ig (DMC1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.