For Research Use Only

DMC1 Monoclonal antibody

Catalog Number:67176-1-Ig 1 Publications

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Basic Information

Catalog Number:
67176-1-Ig

Size:
2300 μg/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:
IF-P, IHC, IP, WB, 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

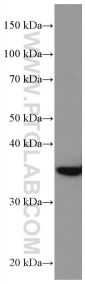
Author	Pubmed ID	Journal	Application
Miao Li	33250349	J Genet Genomics	IF

Storage

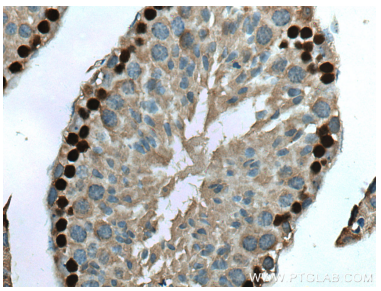
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

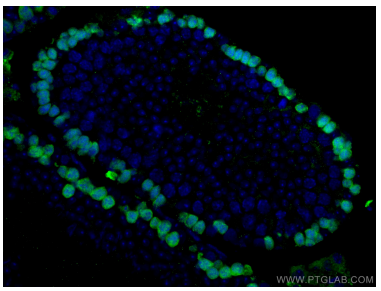
Selected Validation Data



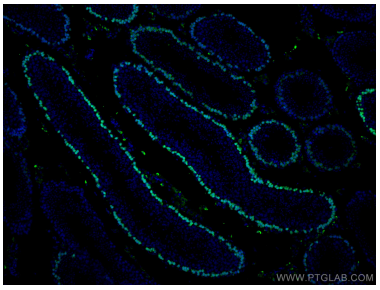
HeLa cells were subjected to SDS PAGE followed by western blot with 67176-1-Ig (DMC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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).



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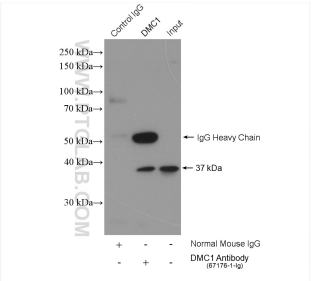

IP result of anti-DMC1 (IP:67176-1-Ig, 4ug; Detection:67176-1-Ig 1:1000) with mouse testis tissue lysate 2040 ug.