

For Research Use Only

MBD3 Polyclonal antibody

Catalog Number: 14258-1-AP

Featured Product

9 Publications



Basic Information

Catalog Number:

14258-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5531

GenBank Accession Number:

BC043619

GeneID (NCBI):

53615

UNIPROT ID:

O95983

Full Name:

methyl-CpG binding domain protein 3

Calculated MW:

33 kDa

Observed MW:

33 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IHC 1:20-1:200

IF/ICC 1:20-1:200

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, ChIP

Species Specificity:

human, mouse, rat

Cited Species:

human

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: Y79 cells, COLO 320 cells, HeLa cells, Jurkat cells, MCF-7 cells, mouse testis tissue

IP: mouse testis tissue,

IHC: human endometrial cancer tissue,

IF/ICC: HepG2 cells,

Background Information

MBD3 does not bind DNA by itself. It recruits histone deacetylases and DNA methyltransferases. MBD3 acts as transcriptional repressor and plays a role in gene silencing.(PMID:9774669) .

Notable Publications

Author	Pubmed ID	Journal	Application
Shanshan Li	33014158	Oncol Lett	WB,ChIP
Xiao-Hui Wang	34103526	Nat Commun	WB
Mei-Rong Liang	31313936	Genet Test Mol Biomarkers	WB

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:

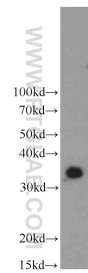
T: 4006900926

E: Proteintech-CN@ptglab.com

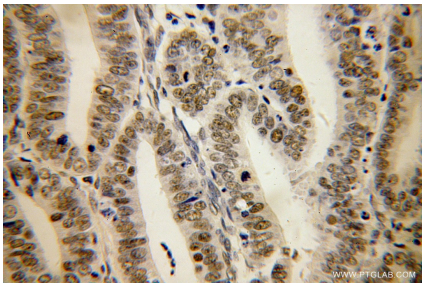
W: ptgcn.com

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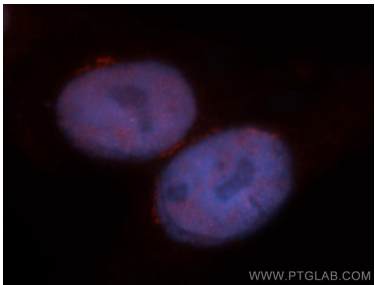
Selected Validation Data



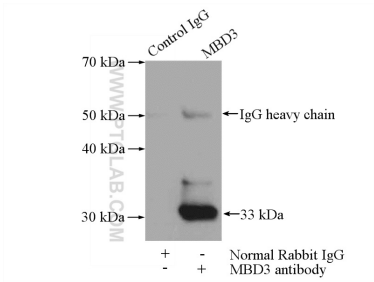
Y79 cells were subjected to SDS PAGE followed by western blot with 14258-1-AP (MBD3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human endometrial cancer using 14258-1-AP (MBD3 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HepG2 cells, using MBD3 antibody 14258-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP result of anti-MBD3 (IP:14258-1-AP, 4ug; Detection:14258-1-AP 1:800) with mouse testis tissue lysate 4000ug.