

For Research Use Only

DNMT3B Polyclonal antibody

Catalog Number: 26971-1-AP

15 Publications



Basic Information

Catalog Number:

26971-1-AP

Size:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25117

GenBank Accession Number:

NM_001207055

GeneID (NCBI):

1789

UNIPROT ID:

Q9UBC3

Full Name:

DNA (cytosine-5)-methyltransferase

3 beta

Calculated MW:

95 kDa

Observed MW:

85-96 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB, IF, IHC, CoIP, ChIP

Species Specificity:

human, mouse

Cited Species:

human, goat, rat, 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, K-562 cells, MCF-7 cells, Jurkat cells

IHC: mouse brain tissue, human breast cancer tissue, mouse testis tissue

Background Information

DNMT3B is a DNA-(cytosine C5)-methyltransferase that is responsible for establishing the methylation patterns in cooperation with DNMT3A through the de novo methylation pathway. It is essential for the establishment of DNA methylation patterns during development. DNMT3B contains a C-terminal catalytic domain and an N-terminal regulatory domain, which are involved in targeting chromatin to regulate its function (PMID: 31547729). DNMT3B has 8 isoforms with the molecular mass of 80-96 kDa.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------------------|-----------|---------------------|-------------|
| Dong Pan | 34604239 | Front Cell Dev Biol | WB |
| Kalaiselvi Sivalingam | 32899583 | Brain Sci | WB |
| Liang Wang | 34291682 | Integr Cancer Ther | 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:

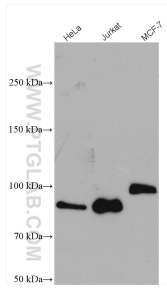
T: 4006900926

E: Proteintech-CN@ptglab.com

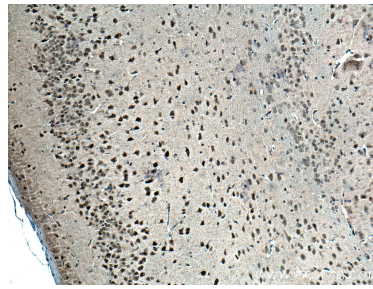
W: ptgcn.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 26971-1-AP (DNMT3B antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 26971-1-AP (DNMT3B antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).