

For Research Use Only

# DNMT3B Polyclonal antibody, PBS Only

Catalog Number: 26971-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

26971-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**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

## Applications

**Tested Applications:**

WB, IHC, Indirect ELISA

**Species Specificity:**

human, mouse

## 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.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

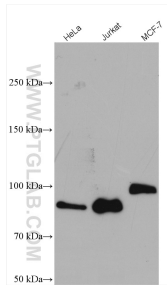
For technical support and original validation data for this product please contact:

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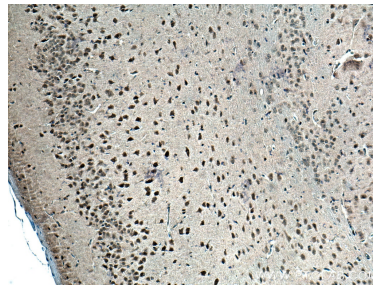
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



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. This data was developed using the same antibody clone with 26971-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 26971-1-PBS in a different storage buffer formulation.