

For Research Use Only

DNMT1 Polyclonal antibody, PBS Only

Catalog Number: 24206-1-PBS

Featured Product



Basic Information

Catalog Number:

24206-1-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19116

GenBank Accession Number:

BC126227

GeneID (NCBI):

1786

UNIPROT ID:

P26358

Full Name:

DNA (cytosine-5)-methyltransferase 1

Calculated MW:

1632 aa, 185 kDa

Observed MW:

180-200 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IP, Indirect ELISA

Species Specificity:

human, rat

Background Information

DNA methylation is a major epigenetic modification that regulates gene expression. DNMT1, the maintenance DNA methylation enzyme, is the primary enzyme responsible for copying methylation patterns after DNA replication. DNMT1 is required for X chromosome inactivation, imprinting, genomic methylation and proper embryonic development. Overexpression of DNMT1 has been reported in various cancers. DNMT1 exists some isoforms with MW 184 kDa and 145 kDa. (PMID: 10753866)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

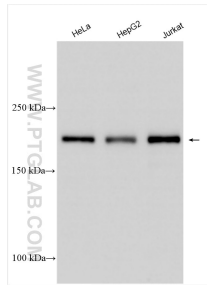
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

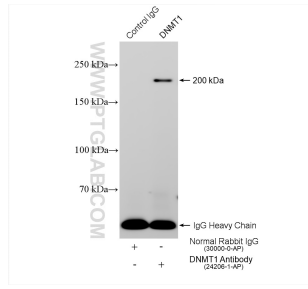
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24206-1-AP (DNMT1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 24206-1-PBS in a different storage buffer formulation.



IP result of anti-DNMT1 (IP:24206-1-AP, 4ug; Detection:24206-1-AP 1:500) with HEK-293 cells lysate 1400 ug. This data was developed using the same antibody clone with 24206-1-PBS in a different storage buffer formulation.