

For Research Use Only

DNMT1 Monoclonal antibody, PBS Only



Catalog Number: 68485-1-PBS

Basic Information

Catalog Number:

68485-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

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:

Protein G purification

CloneNo.:

2G5C5

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

Human, Mouse, 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

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

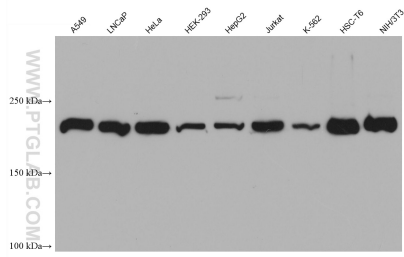
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68485-1-Ig (DNMT1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68485-1-PBS in a different storage buffer formulation.