

For Research Use Only

DNMT1 Polyclonal antibody

Catalog Number: 28754-1-AP



Basic Information

Catalog Number:

28754-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29479

GenBank Accession Number:

BC126227

GeneID (NCBI):

1786

UNIPROT ID:

P26358

Full Name:

DNA (cytosine-5-)-methyltransferase

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Calculated MW:

1632 aa, 185 kDa

Observed MW:

145 kDa and 184 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293T cells, HepG2 cells, Jurkat cells

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 the molecular mass of 184 kDa and 145 kDa. (PMID: 10753866)

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:

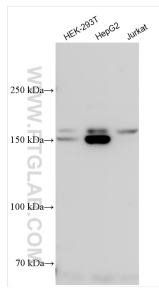
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28754-1-AP (DNMT1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.