

For Research Use Only

# DNMT1 Polyclonal antibody

Catalog Number: 28754-1-AP



## Basic Information

<b>Catalog Number:</b> 28754-1-AP	<b>GenBank Accession Number:</b> BC126227	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1786	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P26358	
<b>Isotype:</b> IgG	<b>Full Name:</b> DNA (cytosine-5-)-methyltransferase 1	
<b>Immunogen Catalog Number:</b> AG29479	<b>Calculated MW:</b> 1632 aa, 185 kDa	
	<b>Observed MW:</b> 145 kDa and 184 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293T cells, HepG2 cells, Jurkat cells
<b>Species Specificity:</b> Human	

## 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

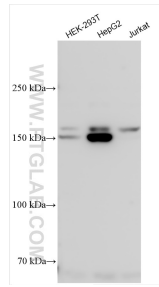
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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.