

For Research Use Only

DNMT1 Polyclonal antibody

Catalog Number: 28754-1-AP



Basic Information

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

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HEK-293T cells, HepG2 cells, Jurkat cells
Species Specificity: 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

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

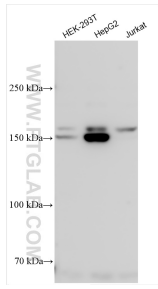
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Selected Validation Data



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.