

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: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 1786	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: DNA (cytosine-5-)-methyltransferase 1	
Isotype: IgG	Calculated MW: 1632 aa, 185 kDa	
Immunogen Catalog Number: AG29479	Observed MW: 180-200 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa 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

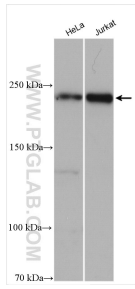
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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

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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 1:1000 incubated at room temperature for 1.5 hours.