

For Research Use Only

DNMT1 Monoclonal antibody, PBS Only



Catalog Number: 68485-1-PBS

Basic Information

Catalog Number:	68485-1-PBS	GenBank Accession Number:	BC126227	Purification Method:	Protein G purification
Size:	1 mg/ml	GeneID (NCBI):	1786	CloneNo.:	2G5C5
Source:	Mouse	UNIPROT ID:	P26358		
Isotype:	IgG1	Full Name:	DNA (cytosine-5-)-methyltransferase		
Immunogen Catalog Number:	AG19116		1		
		Calculated MW:	1632 aa, 185 kDa		
		Observed MW:	180-200 kDa		

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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

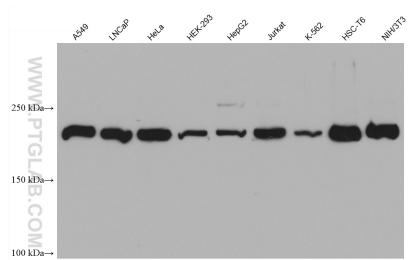
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.