

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: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 1786	CloneNo.: 2G5C5
Source: Mouse	UNIPROT ID: P26358	
Isotype: IgG1	Full Name: DNA (cytosine-5-)-methyltransferase 1	
Immunogen Catalog Number: AG19116	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

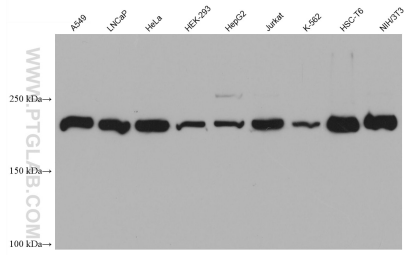
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

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
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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.