

For Research Use Only

NMT1 Monoclonal antibody, PBS Only



Catalog Number: 67984-1-PBS

Featured Product

Basic Information

Catalog Number: 67984-1-PBS	GenBank Accession Number: BC006569	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 4836	CloneNo.: 2D9B9
Source: Mouse	UNIPROT ID: P30419	
Isotype: IgG1	Full Name: N-myristoyltransferase 1	
Immunogen Catalog Number: AG20541	Calculated MW: 496 aa, 57 kDa	
	Observed MW: 50-60 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IHC

Species Specificity:
Human, mouse, rat

Background Information

NMT1 is a N-myristoyltransferase responsible for the transfer of myristate from CoA to an amino-terminal glycine of many eukaryotic proteins, which facilitates the targeting of proteins to membrane surfaces and is essential for viability of the organism. Insertional mutagenesis of the Nmt1 gene in *Saccharomyces cerevisiae* causes recessive lethality. Humans and mice possess two distinct but structurally similar enzymes, NMT1 and NMT2, ubiquitously expressed in most human and mouse tissues. Western analysis revealed that there are 4 isoforms of NMT1 with apparent molecular masses ranging from 49 to 68 kDa. In cell fractionation studies, the 68-kDa NMT1 isoform and NMT2 were present in both membrane and cytoplasmic fractions, while the smaller NMT1 isoforms were predominantly cytoplasmic.

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:

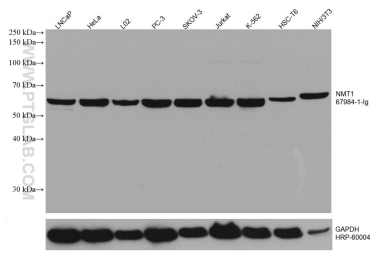
T: 4006900926

E: Proteintech-CN@ptglab.com

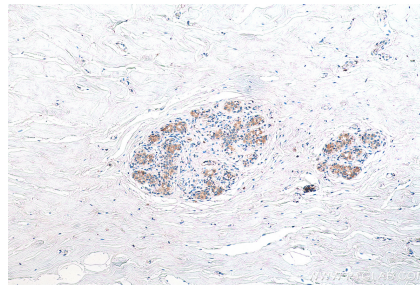
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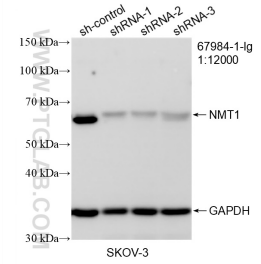
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67984-1-Ig (NMT1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 67984-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67984-1-Ig (NMT1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval was developed using the same antibody clone with 67984-1-PBS in a different storage buffer formulation.



WB result of NMT1 antibody (67984-1-Ig; 1:12000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NMT1 transfected SKOV-3 cells. This data was developed using the same antibody clone with 67984-1-PBS in a different storage buffer formulation.