

For Research Use Only

# NMT1 Monoclonal antibody, PBS Only



Catalog Number: 67984-1-PBS

Featured Product

## Basic Information

Catalog Number:

67984-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG20541

GenBank Accession Number:

BC006569

GeneID (NCBI):

4836

UNIPROT ID:

P30419

Full Name:

N-myristoyltransferase 1

Calculated MW:

496 aa, 57 kDa

Observed MW:

50-60 kDa

Purification Method:

Protein G purification

CloneNo.:

2D9B9

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

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.

Storage Buffer:

PBS Only

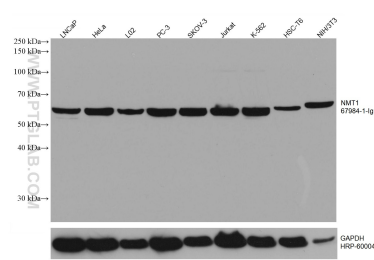
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

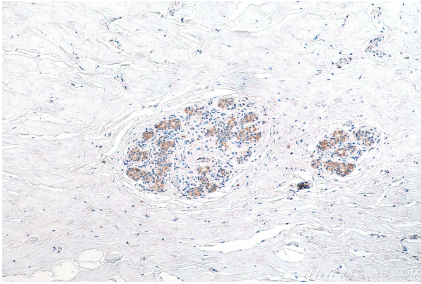
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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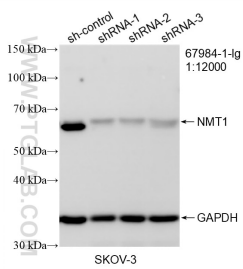
Selected Validation Data



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 with Tris-EDTA buffer (pH 9.0). This data 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.