

NMT1 Polyclonal Antibody

Catalog number: 11546-1-AP

Size: 33 µg/150 µl

Source: Rabbit

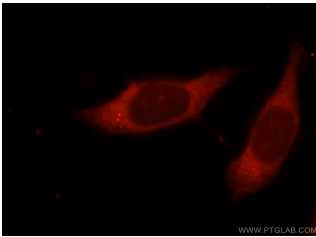
Isotype: IgG

Synonyms:

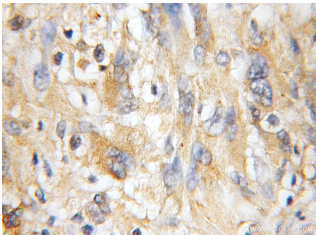
NMT1; N-myristoyltransferase

1, NMT1, Type I N

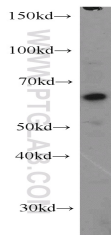
myristoyltransferase



Immunofluorescent analysis of MCF-7 cells, using NMT1 antibody 11546-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical of paraffin-embedded human gliomas using 11546-1-AP(NMT1 antibody) at dilution of 1:50 (under 10x lens)



SKOV-3 cells were subjected to SDS PAGE followed by western blot with 11546-1-AP(NMT1 antibody) at dilution of 1:1000

Background

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 kD. In cell fractionation studies, the 68-kD NMT1 isoform and NMT2 were present in both membrane and cytoplasmic fractions, while the smaller NMT1 isoforms were predominantly cytoplasmic.

Applications

Tested applications:	ELISA, IHC, IF, WB, IP
Cited applications:	WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated NMT1 MW:	496aa, 57 kDa
Observed NMT1 MW:	49-68kd
Positive WB detected in	SKOV-3 cells, HeLa cells, human kidney tissue, L02 cells, mouse pancreas tissue, PC-3 cells
Positive IP detected in	HeLa cells
Positive IHC detected in	Human gliomas tissue, human heart tissue, human kidney tissue
Positive IF detected in	MCF-7 cells
Recommended dilution:	WB: 1:500-1:5000 IP: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:20-1:200

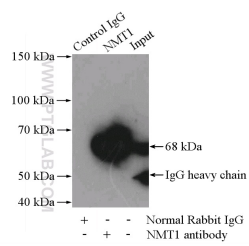
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2072
GenBank accession number:	BC006569
Gene ID (NCBI):	4836
Full name:	N-myristoyltransferase 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



IP Result of anti-NMT1
(IP:11546-1-AP, 4ug;
Detection:11546-1-AP 1:500)
with HeLa cells lysate 2000ug.