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NMT2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2520a

Specification

NMT2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	O60551
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**56980**
Antigen Region	**16-46**

NMT2 Antibody (N-term) - Additional Information

Gene ID 9397

Other Names
Glycylpeptide N-tetradecanoyltransferase 2, Myristoyl-CoA:protein N-myristoyltransferase 2, NMT 2, Peptide N-myristoyltransferase 2, Type II N-myristoyltransferase, NMT2

Target/Specificity
This NMT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-46 amino acids from the N-terminal region of human NMT2.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
NMT2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NMT2 Antibody (N-term) - Protein Information

Name NMT2 {ECO:0000303|PubMed:9506952, ECO:0000312|HGNC:HGNC:7858}

Function Adds a myristoyl group to the N-terminal glycine residue of certain cellular and viral

proteins (PubMed:25255805, PubMed:9506952). Also able to mediate N-terminal lysine myristoylation of proteins: catalyzes myristoylation of ARF6 on both 'Gly-2' and 'Lys-3' (PubMed:32103017). Lysine myristoylation is required to maintain ARF6 on membranes during the GTPase cycle (PubMed:32103017).

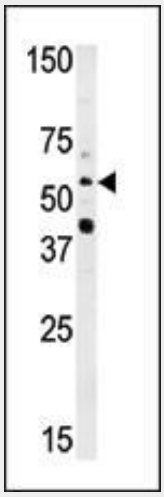
Cellular Location
Cytoplasm. Membrane; Peripheral membrane protein

NMT2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NMT2 Antibody (N-term) - Images



Western blot analysis of anti-NMT2 Pab (Cat. #AP2520a) in HepG2 cell line lysate (35ug/lane). NMT2(arrow) was detected using the purified Pab.

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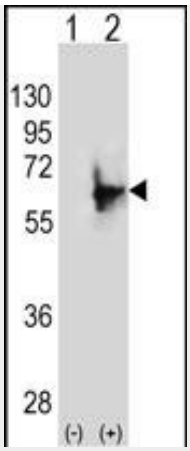
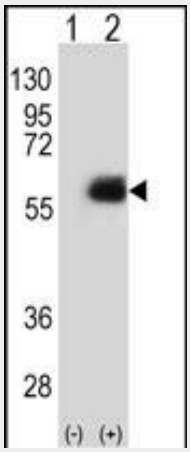


Western blot analysis of NMT2 (arrow) using rabbit polyclonal NMT2 Antibody (E31) (Cat. #AP2520a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the NMT2 gene.



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NMT2 Antibody (N-term) - Background

N-myristoyltransferase (NMT) catalyzes the reaction of N-terminal myristoylation of many signaling proteins. It transfers myristic acid from myristoyl coenzyme A to the amino group of a protein's N-terminal glycine residue. Biochemical evidence indicates the presence of several distinct NMTs, varying in apparent molecular weight and /or subcellular distribution. The predicted 498-amino acid of human NMT2 protein shares 77% and 96% sequence identity with human NMT1 and mouse Nmt2 comprise two distinct families of N-myristoyltransferases.

NMT2 Antibody (N-term) - References

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Shiraishi, T., et al., Biochem. Biophys. Res. Commun. 282(5):1201-1205 (2001).
Ono, A., et al., J. Virol. 73(5):4136-4144 (1999).
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