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NMT2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP2520a

Specification

NMT2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession	O60551
Other Accession	NMT2_HUMAN

NMT2 Antibody (N-term) Blocking Peptide - 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
The synthetic peptide sequence is selected from aa 31~46 of human NMT2.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NMT2 Antibody (N-term) Blocking Peptide - 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

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NMT2 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

NMT2 Antibody (N-term) Blocking Peptide - Images

NMT2 Antibody (N-term) Blocking Peptide - 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) Blocking Peptide - References

Lindwasser, O.W., et al., Proc. Natl. Acad. Sci. U.S.A. 99(20):13037-13042 (2002).Kolluri, S.K., et al., Cancer Res. 61(23):8534-8539 (2001).Shiraishi, T., et al., Biochem. Biophys. Res. Commun. 282(5):1201-1205 (2001).Ono, A., et al., J. Virol. 73(5):4136-4144 (1999).Paillart, J.C., et al., J. Virol. 73(4):2604-2612 (1999).