

NMT2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14558b**Specification**

NMT2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O60551](#)**NMT2 Antibody (C-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

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 (C-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

NMT2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NMT2 Antibody (C-term) Blocking Peptide - Images

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

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Seaton, K.E., et al. J. Gen. Virol. 89 (PT 1), 288-296 (2008) :Quintero-Rivera, F., et al. Am. J. Med. Genet. A 143A (15), 1796-1798 (2007) :