

**GNMT Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP1076a****Specification**

---

**GNMT Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [Q14749](#)  
Other Accession [Q5T8W2](#)

**GNMT Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 27232

**Other Names**

Glycine N-methyltransferase, GNMT

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody <a href=/product/products/AP1076a>AP1076a</a> was selected from the N-term region of human GNMT. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**GNMT Antibody (N-term) Blocking Peptide - Protein Information**

**Name** GNMT ([HGNC:4415](#))

**Function**

Catalyzes the methylation of glycine by using S- adenosylmethionine (AdoMet) to form N-methylglycine (sarcosine) with the concomitant production of S-adenosylhomocysteine (AdoHcy), a reaction regulated by the binding of 5-methyltetrahydrofolate. Plays an important role in the regulation of methyl group metabolism by regulating the ratio between S-adenosyl-L-methionine and S-adenosyl-L- homocysteine.

**Cellular Location**

Cytoplasm {ECO:0000250|UniProtKB:P13255}.

**Tissue Location**

Expressed only in liver, pancreas, and prostate.

## **GNMT Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **GNMT Antibody (N-term) Blocking Peptide - Images**

## **GNMT Antibody (N-term) Blocking Peptide - Background**

Glycine N-methyltransferase (GNMT) catalyzes the synthesis of N-methylglycine (sarcosine) from glycine using S-adenosylmethionine (AdoMet) as the methyl donor. GNMT acts as an enzyme to regulate the ratio of S-adenosylmethionine to S-adenosylhomocysteine (AdoHcy) and participates in the detoxification pathway in liver cells.

## **GNMT Antibody (N-term) Blocking Peptide - References**

Augoustides-Savvopoulou, P., et al., J. Inherit. Metab. Dis. 26(8):745-759 (2003). Tseng, T.L., et al., Cancer Res. 63(3):647-654 (2003). Luka, Z., et al., Hum. Genet. 110(1):68-74 (2002). Strausberg RL, et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002). Mudd, S.H., et al., J. Inherit. Metab. Dis. 24(4):448-464 (2001).