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GNMT Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP18057c

Specification

GNMT Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q14749

GNMT Antibody (Center) Blocking Peptide - Additional Information

Gene ID 27232

Other Names
Glycine N-methyltransferase, GNMT

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 (Center) 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 (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

GNMT Antibody (Center) Blocking Peptide - Images

GNMT Antibody (Center) Blocking Peptide - Background

The protein encoded by this gene is an enzyme thatcatalyzes the conversion of S-adenosyl-L-methionine (along withglycine) to S-adenosyl-L-homocysteine and sarcosine. The encodedprotein is found in the cytoplasm and acts as a homotetramer.Defects in this gene are a cause of GNMT deficiency(hypermethioninemia).

GNMT Antibody (Center) Blocking Peptide - References

Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :Lee, C.M., et al. Gene 443 (1-2), 151-157 (2009) :Boyles, A.L., et al. Genet. Epidemiol. 33(3):247-255(2009)Yen, C.H., et al. Toxicol. Appl. Pharmacol. 235(3):296-304(2009)Franke, B., et al. Birth Defects Res. Part A Clin. Mol. Teratol. 85(3):216-226(2009)