

**GNMT Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP1076b****Specification**

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**GNMT Antibody (C-term) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | <b>WB,E</b>            |
| Primary Accession | <a href="#">O14749</a> |
| Reactivity        | <b>Human</b>           |
| Host              | <b>Rabbit</b>          |
| Clonality         | <b>Polyclonal</b>      |
| Isotype           | <b>Rabbit IgG</b>      |
| Antigen Region    | <b>218-248</b>         |

**GNMT Antibody (C-term) - Additional Information****Gene ID** 27232**Other Names**

Glycine N-methyltransferase, GNMT

**Target/Specificity**

This GNMT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 218-248 amino acids from the C-terminal region of human GNMT.

**Dilution**

WB~~1:1000

**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**

GNMT Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**GNMT Antibody (C-term) - 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

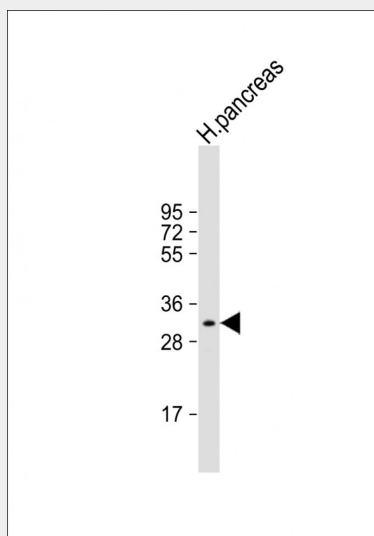
Expressed only in liver, pancreas, and prostate.

### GNMT Antibody (C-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 Cytometry](#)
- [Cell Culture](#)

### GNMT Antibody (C-term) - Images



Anti-GNMT Antibody (C-term) at 1:1000 dilution + human pancreas lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 33 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

### GNMT Antibody (C-term) - Background

Glycine N-methyltransferase 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 (C-term) - 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).

**GNMT Antibody (C-term) - Citations**

- [LRH-1 is a critical determinant of methyl-pool metabolism.](#)
- [The nutrigenetics of hyperhomocysteinemia: quantitative proteomics reveals differences in the methionine cycle enzymes of gene-induced versus diet-induced hyperhomocysteinemia.](#)