

**GNMT Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18057c****Specification**

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**GNMT Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q14749</a>
Other Accession	<a href="#">Q29513</a> , <a href="#">Q29555</a> , <a href="#">NP_061833.1</a>
Reactivity	Human
Predicted	Pig, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	32742
Antigen Region	78-106

**GNMT Antibody (Center) - 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 78-106 amino acids from the Central 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 purified through a protein A column, followed by peptide affinity purification.

**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 (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**GNMT Antibody (Center) - 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}.

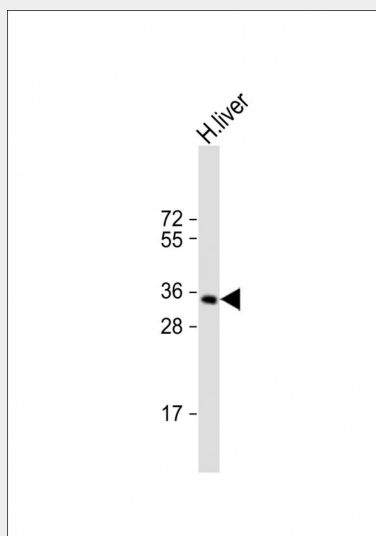
**Tissue Location**

Expressed only in liver, pancreas, and prostate.

**GNMT Antibody (Center) - 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 (Center) - Images**

Anti-GNMT Antibody (Center) at 1:1000 dilution + human liver 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% NFDm/TBST.

**GNMT Antibody (Center) - Background**

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

(hypermethioninemia).

#### **GNMT Antibody (Center) - 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)