

For Research Use Only

# GNMT Polyclonal antibody

Catalog Number: 18790-1-AP **23 Publications**



## Basic Information

<b>Catalog Number:</b> 18790-1-AP	<b>GenBank Accession Number:</b> BC032627	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop and 360 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 27232	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:2000-1:16000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> glycine N-methyltransferase	<b>Calculated MW:</b> 295 aa, 33 kDa
<b>Isotype:</b> IgG	<b>Observed MW:</b> 33 kDa	<b>Immunogen Catalog Number:</b> AG4598

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : rat liver tissue, mouse liver tissue, LNCaP cells
<b>Cited Applications:</b> IHC, WB	<b>IP :</b> mouse liver tissue,
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human prostate hyperplasia tissue, human liver cancer tissue
<b>Cited Species:</b> human, chicken, rat, mouse, pig	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Glycine N-methyltransferase (GNMT, EC 2.1.1.20) was found originally as an enzyme regulating the ratio of SAM to S-adenosyl- homocysteine. GNMT is conservative among different animal species. Glycine-N methyltransferase (GNMT) is a potential tumor suppressor that is commonly inactivated in human hepatoma. GNMT is abundant in liver, but very low in HepG2 cells (PMID: 12566990).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yimin Jia	27648945	J Agric Food Chem	WB
Demin Cai	27763549	Nutrients	WB
Maria M Simile	34649149	Transl Oncol	WB

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

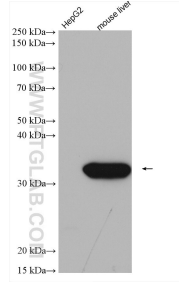
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

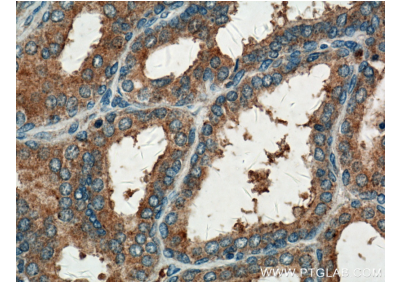
## Selected Validation Data



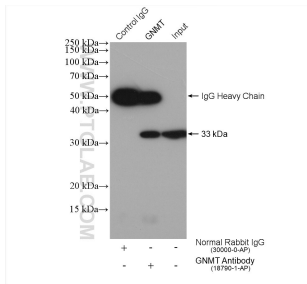
rat liver tissue were subjected to SDS PAGE followed by western blot with 18790-1-AP (GNMT antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



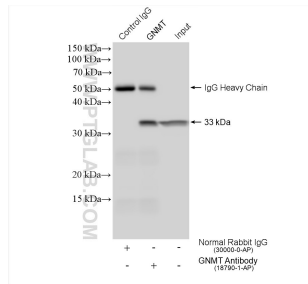
Various lysates were subjected to SDS PAGE followed by western blot with 18790-1-AP (GNMT antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate hyperplasia tissue slide using 18790-1-AP (GNMT antibody) at dilution of 1:200 (under 40x lens).



IP result of anti-GNMT(IP:18790-1-AP, 4ug; Detection:18790-1-AP 1:8000) with mouse liver tissue lysate 3040 ug.



IP result of anti-GNMT(IP:18790-1-AP, 4ug; Detection:18790-1-AP 1:8000) with mouse liver tissue lysate 1840 ug.