

For Research Use Only

GNMT Polyclonal ANTIBODY



Catalog Number: 18790-1-AP

13 Publications

Basic Information

Catalog Number:
18790-1-AP

Size:
54 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG4598

GenBank Accession Number:
BC032627

GeneID (NCBI):
27232

Full Name:
glycine N-methyltransferase

Calculated MW:
295aa, 33 kDa

Observed MW:
33 kDa

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human,mouse,rat

Cited Species:

gilt, hen, human, Landrace, mouse, pig, rat

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB : rat liver tissue; mouse liver tissue

IP : mouse liver tissue;

IHC : human prostate hyperplasia tissue; human
liver cancer tissue

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 (PMD: 12566990).

Notable Publications

Author	Pubmed ID	Journal	Application
Yimin Jia	27648945	J Agric Food Chem	WB
Demin Cai	27763549	Nutrients	WB
X Li	25410747	Eur J Nutr	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

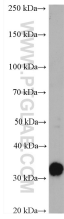
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

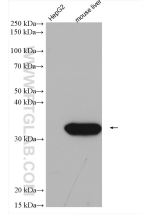
E: proteintech@ptglab.com
W: ptglab.com

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

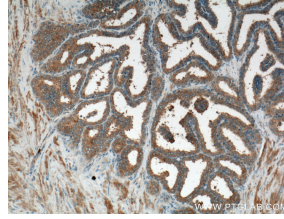
Selected Validation Data



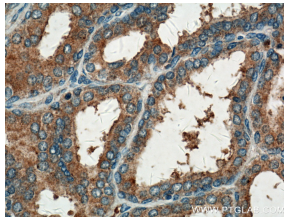
rat liver tissue were subjected to SDS PAGE followed by western blot with 18790-1-AP (GNMT antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours



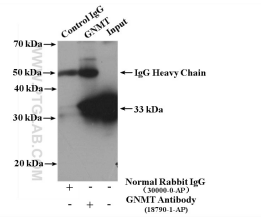
Various lysates were subjected to SDS PAGE followed by western blot with 18790-1-AP (GNMT antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours



Immunohistochemical analysis of paraffin-embedded human prostate hyperplasia tissue slide using 18790-1-AP (GNMT antibody) at dilution of 1:200 (under 10x lens).



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 1:600) with mouse liver tissue lysate 6800ug.