

For Research Use Only

GNMT Polyclonal antibody

Catalog Number: 18790-1-AP

29 Publications



Basic Information

Catalog Number:

18790-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 360 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4598

GenBank Accession Number:

BC032627

GeneID (NCBI):

27232

UNIPROT ID:

Q14749

Full Name:

glycine N-methyltransferase

Calculated MW:

295 aa, 33 kDa

Observed MW:

33 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, pig, chicken

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, LNCaP cells

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 (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

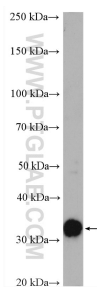
For technical support and original validation data for this product please contact:

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

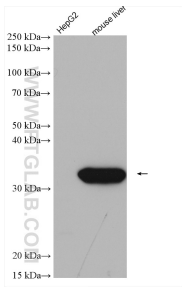
E: proteintech@ptglab.com
W: ptglab.com

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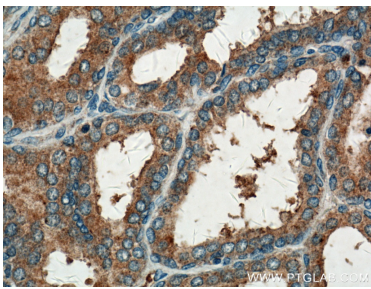
Selected Validation Data



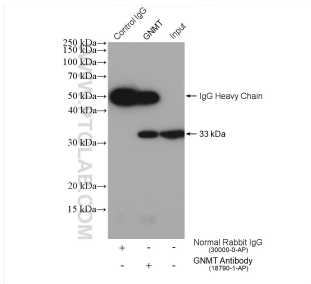
rat liver tissue were subjected to SDS PAGE followed by western blot with 18790-1-AP (GNMT antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



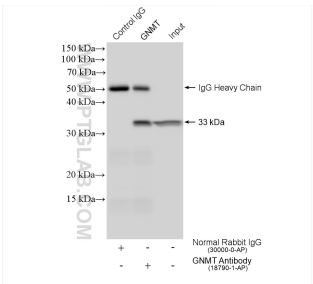
Various lysates were subjected to SDS PAGE followed by western blot with 18790-1-AP (GNMT antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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.