

For Research Use Only

GNMT Monoclonal antibody

Catalog Number: 67294-1-Ig **2 Publications**



Basic Information

Catalog Number: 67294-1-Ig	GenBank Accession Number: BC032627	Purification Method: Protein A purification
Size: 150ul , Concentration: 1700 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 27232	CloneNo.: 1B5E3
Source: Mouse	UNIPROT ID: Q14749	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: glycine N-methyltransferase	
Immunogen Catalog Number: AG4598	Calculated MW: 295 aa, 33 kDa	
	Observed MW: 33 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB, IHC	WB : rat liver tissue, pig liver tissue, mouse liver tissue, rat pancreas tissue, mouse pancreas tissue
Species Specificity: Human, Mouse, Pig, Rat	IF/ICC : A431 cells,
Cited Species: human	

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
Changhong Yang	33718182	Front Oncol	IHC
Long Miao	38877335	Cell Biochem Biophys	WB

Storage

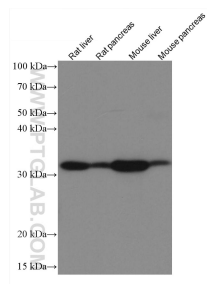
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

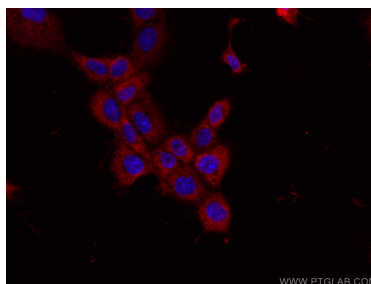
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67294-1-Ig (GNMT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using GNMT antibody (67294-1-Ig, Clone: 1B5E3) at dilution of 1:800 and CoraLite® 594-Conjugated Goat Anti-Mouse IgG(H+L).