GNMT Monoclonal antibody

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

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Basic Information

Catalog Number: 67294-1-Ig	**GenBank Accession Number:** BC032627	**Purification Method:** Protein G purification
Concentration: 1700 ug/ml	**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

Cited Applications:
WB, IHC

Species Specificity:
human, mouse, rat, pig

Cited Species:
human

Positive Controls:

WB : rat liver tissue, pig liver tissue, mouse liver tissue, rat pancreas tissue, mouse pancreas tissue

IF/ICC : A431 cells,

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℃. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage
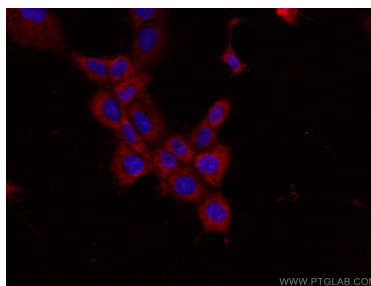
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
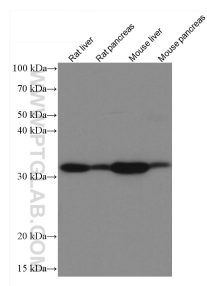
Various lysates were subjected to SDS PAGE followed by western blot with 67294-1-Ig (GNMT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

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 AffiniPure Goat Anti-Mouse IgG(H+L).