

# GNMT Monoclonal antibody

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

## Basic Information

**Catalog Number:**

67294-1-Ig

**Size:**

1700 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**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:**

Protein A purification

**CloneNo.:**

1B5E3

**Recommended Dilutions:**

WB 1:5000-1:50000

IF/ICC 1:400-1:1600

## Applications

**Tested Applications:**

IF/ICC, WB, ELISA

**Cited Applications:**

WB, IHC

**Species Specificity:**

Human, Mouse, Pig, Rat

**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°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

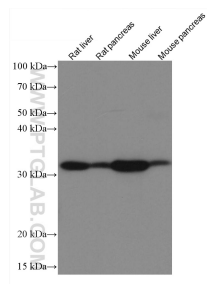
For technical support and original validation data for this product please contact:

T: 4006900926

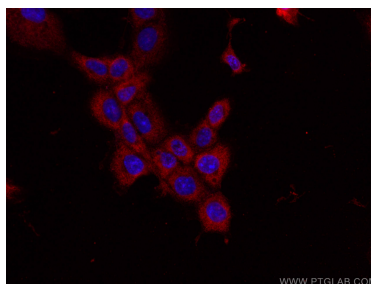
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## Selected Validation Data



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