

# CoraLite®594-conjugated GNMT Monoclonal antibody

Catalog Number: **CL594-67294**

## Basic Information

**Catalog Number:**

CL594-67294

**Size:**

1000 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 G purification

**CloneNo.:**

1B5E3

**Recommended Dilutions:**

IF/ICC 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

588 nm / 604 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

Human, Mouse, Pig, Rat

**Positive Controls:**

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).

## Storage

**Storage:**

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

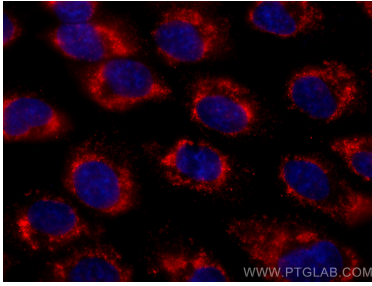
**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using CoraLite®594 GNMT antibody (CL594-67294, Clone: 1B5E3 ) at dilution of 1:200.