

Datasheet for ABIN6242957  
**anti-GNMT antibody (AA 1-295)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	200 µL
Target:	GNMT
Binding Specificity:	AA 1-295
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GNMT antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

## Product Details

Immunogen:	This GNMT antibody is generated from a mouse immunized with a recombinant protein between 1-295 amino acids from the human GNMT.
Clone:	1041CT18-2-3
Isotype:	IgG2a kappa
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

## Target Details

Target:	GNMT
Alternative Name:	GNMT ( <a href="#">GNMT Products</a> )
Background:	Catalyzes the methylation of glycine by using S- adenosylmethionine (AdoMet) to form N-

## Target Details

methyglycine (sarcosine) with the concomitant production of S-adenosylhomocysteine (AdoHcy). Possible crucial role in the regulation of tissue concentration of AdoMet and of metabolism of methionine.

Molecular Weight:	32742
UniProt:	<a href="#">Q14749</a>
Pathways:	<a href="#">Cellular Glucan Metabolic Process</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a>

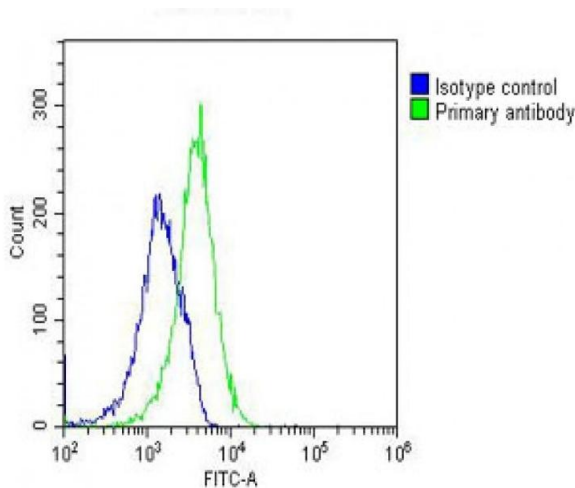
## Application Details

Application Notes:	WB: 1:4000. FC: 1:25
Restrictions:	For Research Use only

## Handling

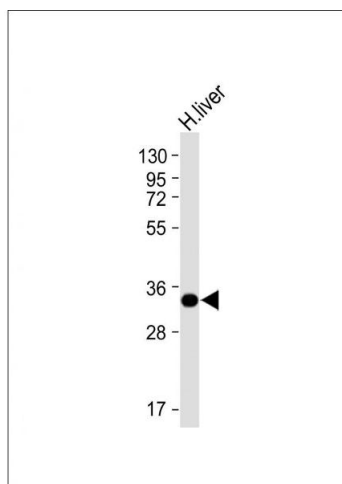
Format:	Liquid
Buffer:	Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

## Images



### Flow Cytometry

**Image 1.** Overlay histogram showing U-2 OS cells stained with (ABIN6242957 and ABIN6577252)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then incubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6242957 and ABIN6577252), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-



Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(NH174309) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was mouse IgG2a (1 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10,000 events was performed.

### Western Blotting

**Image 2.** Anti-GNMT Antibody (C-term) at 1:4000 dilution + Human liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 33 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.