

Datasheet for ABIN391717  
**anti-GCAT antibody (AA 155-181)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	400 µL
Target:	GCAT
Binding Specificity:	AA 155-181
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GCAT antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This GCAT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 155-181 amino acids from the Central region of human GCAT.
Clone:	RB18219
Isotype:	Ig Fraction
Predicted Reactivity:	B
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	GCAT
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## Target Details

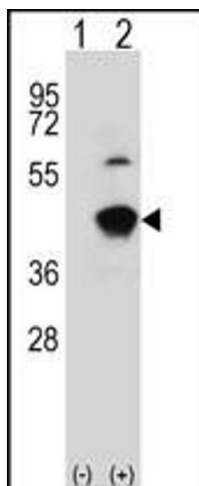
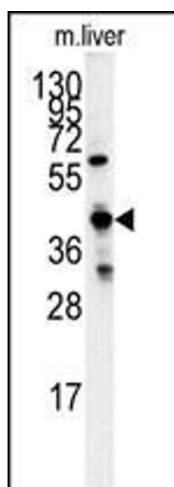
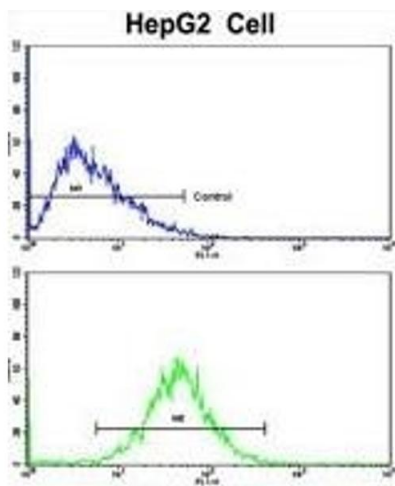
Alternative Name:	GCAT ( <a href="#">GCAT Products</a> )
Background:	The degradation of L-threonine to glycine consists of a two-step biochemical pathway involving the enzymes L-threonine dehydrogenase and 2-amino-3-ketobutyrate coenzyme A ligase. L-Threonine is first converted into 2-amino-3-ketobutyrate by L-threonine dehydrogenase. GCAT is the second enzyme in this pathway, which then catalyzes the reaction between 2-amino-3-ketobutyrate and coenzyme A to form glycine and acetyl-CoA. The enzyme is considered a class II pyridoxal-phosphate-dependent aminotransferase.
Molecular Weight:	45285
Gene ID:	23464
NCBI Accession:	<a href="#">NP_001165161</a> , <a href="#">NP_055106</a>
UniProt:	<a href="#">O75600</a>

## Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal 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
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



### Flow Cytometry

**Image 1.** Flow cytometric analysis of HepG2 cells using GCAT Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

### Western Blotting

**Image 2.** Western blot analysis of GCAT antibody (Center) (ABIN391717 and ABIN2841608) in mouse liver tissue lysates (35 µg/lane). GCAT (arrow) was detected using the purified Pab.

### Western Blotting

**Image 3.** Western blot analysis of GCAT (arrow) using rabbit polyclonal GCAT Antibody (Center) (ABIN391717 and ABIN2841608). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GCAT gene.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN391717.