

Datasheet for ABIN656823  
**anti-GCAT antibody (N-Term)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	400 µL
Target:	GCAT
Binding Specificity:	AA 101-128, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GCAT antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This GCAT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 101-128 amino acids from the N-terminal region of human GCAT.
Clone:	RB20063
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

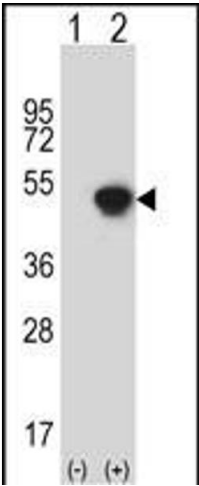
Alternative Name:	GCAT ( <a href="#">GCAT Products</a> )
Background:	The degradation of L-threonine to glycine consists of a two-step biochemical pathway involving the enzymes L-threonine dehydrogenase and 2-amino-3-ketobutyrate coenzyme A ligase. L-Threonine is first converted into 2-amino-3-ketobutyrate by L-threonine dehydrogenase. This gene encodes 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 encoded enzyme is considered a class II pyridoxal-phosphate-dependent aminotransferase. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 14.
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
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:	GCAT Antibody (N-term) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.
Expiry Date:	6 months



Western Blotting

**Image 1.** Western blot analysis of GCAT (arrow) using rabbit polyclonal GCAT Antibody (N-term) (ABIN656823 and ABIN2846034). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GCAT gene.