

Datasheet for ABIN7246613

**anti-GCAT antibody**

## 1 Image

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## Overview

Quantity:	200 µL
Target:	GCAT
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GCAT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Immunogen:	Fusion protein of human GCAT
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Antigen affinity purification

## Target Details

Target:	GCAT
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

## Target Details

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: Observed\_MW: Refer to figures  
Calculated\_MW: 45 kDa

UniProt: [O75600](#)

## Application Details

Application Notes: WB 1:500-1:2000, ELISA 1:5000-1:10000

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1.02 mg/mL

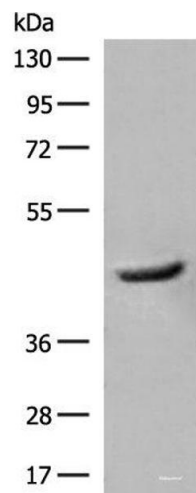
Buffer: PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4

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: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.



Western Blotting

**Image 1.** Western blot analysis of Human fetal liver tissue lysate using GCAT Polyclonal Antibody at dilution of 1:400