

Product datasheet for TA360387

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GCAT Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

Immunogen: The immunogen is a synthetic peptide directed towards the middle region of human GCAT

Expected reactivity: Human Specificity:

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Affinity purified Conjugation: Unconjugated

For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small Storage:

aliquots to prevent freeze-thaw cycles.

Shelf life: one year from despatch. Stability:

Predicted Protein Size: 45 kDa

Gene Name: glycine C-acetyltransferase

Database Link: NP 001165161.1

Entrez Gene 23464 Human

O75600



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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

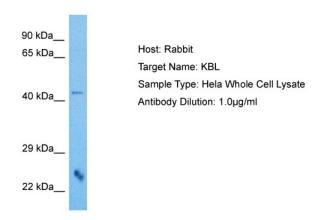
aminotransferase. Alternate splicing results in multiple transcript variants. A pseudogene of

this gene is found on chromosome 14.

Synonyms: KBL; MGC23053

Protein Pathways: Glycine, serine and threonine metabolism

Product images:



Host: Rabbit Target Name: GCAT

Sample Tissue: Human Hela Whole Cell

Antibody Dilution: 1.0ug/ml