

GCAT Antibody (Center)

Catalog_no :	AB2520
Reactivity :	H, M
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN:155-181
Specificity :	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.
Dilution :	WB,1:1000;IHC-P,1:50~100;FC,1:10~50;WB,1:1000;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Other_name :	2-amino-3-ketobutyrate coenzyme A ligase, mitochondrial, AKB ligase, Aminoacetone synthase, Glycine acetyltransferase, GCAT, KBL
Isotype :	Rabbit Ig
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.
reference :	Edgar,A.J., Polak,J.M.Eur. J. Biochem. 267 (6), 1805-1812 (2000) Tressel,T., Thompson,R., J. Biol. Chem. 261 (35), 16428-16437 (1986)