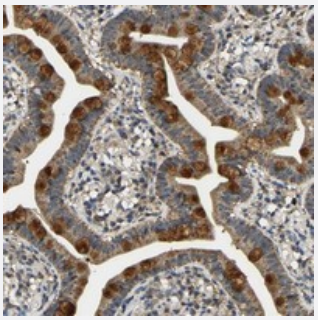
GCAT polyclonal antibody

Catalog # PAB21302 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human small intestine with GCAT polyclonal antibody (Cat # PAB21302) shows distinct positivity in mucus of goblet cells.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant GCAT.
Immunogen	Recombinant protein corresponding to amino acids of human GCAT.
Sequence	CLASRYGALVFMDECHATGFLGPTGRGTDELLGVMDQVTIINSTLGKALGGASGGYTTGPGPLVS LLRQRARPYLFSNSLPPAVVGCASKALDLLMGSNTIVQSMAAKTQRFRSKMEAAGFTISGA
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:20-1:50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)

Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of human small intestine with GCAT polyclonal antibody (Cat # PAB21302) shows distinct positivity in mucus of goblet cells.

Gene Info — GCAT

Entrez GeneID	23464
Protein Accession#	O75600
Gene Name	GCAT
Gene Alias	KBL, MGC23053
Gene Description	glycine C-acetyltransferase (2-amino-3-ketobutyrate coenzyme A ligase)
Omim ID	607422
Gene Ontology	Hyperlink
Gene Summary	The degradation of L-threonine to glycine consists of a two-step biochemical pathway involving th e enzymes L-threonine dehydrogenase and 2-amino-3-ketobutyrate coenzyme A ligase. L-Threon ine is first converted into 2-amino-3-ketobutyrate by L-threonine dehydrogenase. This gene encod es the second enzyme in this pathway, which then catalyzes the reaction between 2-amino-3-keto butyrate and coenzyme A to form glycine and acetyl-CoA. The encoded enzyme is considered a c lass II pyridoxal-phosphate-dependent aminotransferase. [provided by RefSeq
Other Designations	2-amino-3-ketobutyrate-CoA ligase|AKB ligase|aminoacetone synthase|glycine C-acetyltransfera se

Pathway

- Glycine