

## Datasheet

### ACAT1 polyclonal antibody

**Catalog Number:** PAB18742

**Regulation Status:** For research use only (RUO)

**Product Description:** Goat polyclonal antibody raised against synthetic peptide of ACAT1.

**Immunogen:** A synthetic peptide corresponding to amino acids 257-269 at internal region of human ACAT1.

**Sequence:** C-KRVDFSKVPKTKT

**Host:** Goat

**Theoretical MW (kDa):** 45

**Reactivity:** Human

**Applications:** ELISA, WB-Ti  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Purification:** Antigen affinity purification

**Concentration:** 0.5 mg/mL

**Recommend Usage:** ELISA (1:8000)  
Western Blot (0.01-0.03 ug/mL)  
The optimal working dilution should be determined by the end user.

**Storage Buffer:** In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

**Storage Instruction:** Store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 38

**Gene Symbol:** ACAT1

**Gene Alias:** ACAT, MAT, T2, THIL

**Gene Summary:** This gene encodes a mitochondrially localized enzyme that catalyzes the reversible formation of acetoacetyl-CoA from two molecules of acetyl-CoA. Defects in this gene are associated with 3-ketothiolase deficiency, an inborn error of isoleucine catabolism characterized by urinary excretion of 2-methyl-3-hydroxybutyric acid, 2-methylacetoacetic acid, tiglylglycine, and butanone. [provided by RefSeq]