

## ACAT1

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC IF

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

**Calculated MW:** 45kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human ACAT1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

T2; MAT; ACAT; THIL

**Catalog #:** A5335

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 38

**Isotype:** IgG

**Swiss Prot:** P24752

**Purity:** Affinity purification

For research use only.

**Background:**

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.

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