

## Product datasheet for **AM31905PU-N**

### ACAT1 (N-term) Mouse Monoclonal Antibody [Clone ID: AT1.H11]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	AT1.H11
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/2000. <b>Immunohistochemistry on Paraffin Sections:</b> 10 µg/ml. <b>Western Blot:</b> 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Recombinant ACAT1 protein (N-term)
Specificity:	Recognizes specifically Human ACAT1 at N-term.
Formulation:	PBS, pH 7.4 containing 0.05% Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	acetyl-CoA acetyltransferase 1
Database Link:	<a href="#">Entrez Gene 38 Human P24752</a>



[View online »](#)

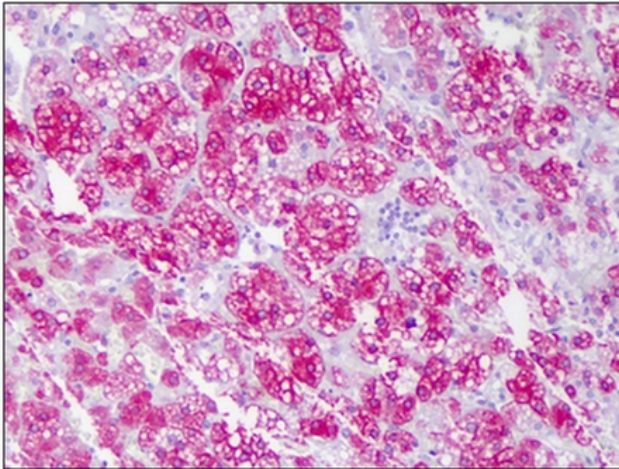
**Background:** The ACAT1 mRNA encodes a mitochondrially localized enzyme that catalyzes the reversible formation of acetoacetyl-CoA from two molecules of acetyl-CoA. The ACAT gene spans approximately 27 kb and contains 12 exons interrupted by 11 introns. Defects in this gene are associated with the alpha-methylacetoaceticaciduria disorder, an inborn error of isoleucine catabolism characterized by urinary excretion of 2-methyl-3-hydroxybutyric acid, 2-methylacetoacetic acid, tiglylglycine, and butanone.

**Synonyms:** ACAT; MAT; T2; THIL

**Protein Families:** Druggable Genome

**Protein Pathways:** Butanoate metabolism, Fatty acid metabolism, Lysine degradation, Metabolic pathways, Propanoate metabolism, Pyruvate metabolism, Synthesis and degradation of ketone bodies, Terpenoid backbone biosynthesis, Tryptophan metabolism, Valine, leucine and isoleucine degradation

**Product images:**



Human Adrenal Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE).