

DATASHEET

ACAT1 Rabbit Monoclonal Antibody(C3114)

CAT. NO. AMA02726

KEY FEATURES

| | | | |
|---------------|---|---------------|--------------|
| Target | ACAT1 | Source / Host | Rabbit |
| Reactivity | Human | Clonality | Monoclonal |
| Applications | WB, IP | Conjugation | Unconjugated |
| Form / Buffer | Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA. | Storage | at-20°C |

BACKGROUND

This is one of the enzymes that catalyzes the last step of the mitochondrial beta-oxidation pathway, an aerobic process breaking down fatty acids into acetyl-CoA. Using free coenzyme A/CoA, catalyzes the thiolytic cleavage of medium- to long-chain 3-oxoacyl-CoAs into acetyl-CoA and a fatty acyl-CoA shortened by two carbon atoms. The activity of the enzyme is reversible and it can also catalyze the condensation of two acetyl-CoA molecules into acetoacetyl-CoA. Thereby, it plays a major role in ketone body metabolism.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|----|----------------|
| WB | 1:500 - 1:1000 |
| IP | 1:10 - 1:50 |

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

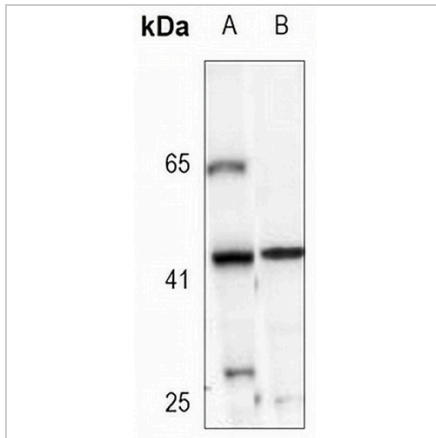
| | |
|-------------------|---|
| Description | Rabbit monoclonal antibody to ACAT1 |
| Specificity | Recognizes endogenous levels of ACAT1 protein. |
| Antibody Type | Primary antibody |
| Immunogen | A synthetic peptide of human ACAT1 |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 45 kD; Observed: 45 kD |
| Form/Buffer | Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA. |
| Alternative Names | ACAT; MAT; Acetyl-CoA acetyltransferase mitochondrial; Acetoacetyl-CoA thiolase; T2 |
| Gene Symbol | ACAT1 |
| Entrez Gene | 38(Human) |
| SwissProt | P24752(Human) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of ACAT1 expression in K562 (A), HeLa (B) whole cell lysates.
(Predicted band size: 45 kD; Observed band size: 45 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.