

## ARG65113 anti-ACAT1 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes ACAT1
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Cow, Dog
Tested Application	ICC/IF, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ACAT1
Species	Human
Immunogen	C-DEEYKRVDKSKVPK
Conjugation	Un-conjugated
Alternate Names	EC 2.3.1.9; Acetoacetyl-CoA thiolase; MAT; T2; ACAT; THIL; Acetyl-CoA acetyltransferase, mitochondrial

### Application Instructions

Application table	Application	Dilution
	ICC/IF	Assay - dependent
	WB	0.01 - 0.03 µg/ml

**Application Note** WB: Recommend incubate at RT for 1h.  
\* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note**

For laboratory research only, not for drug, diagnostic or other use.

**Bioinformation****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. [provided by RefSeq, Feb 2009]

**Research Area**

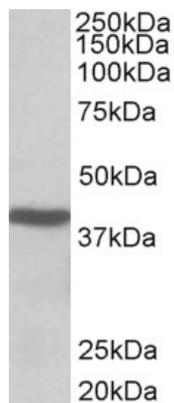
Cancer antibody; Controls and Markers antibody; Metabolism antibody; Signaling Transduction antibody

**Calculated Mw**

45 kDa

**PTM**

Succinylation at Lys-268, adjacent to a coenzyme A binding site. Desuccinylated by SIRT5 (By similarity).

**Images****ARG65113 anti-ACAT1 antibody WB image**

Western blot: 35 µg of Mouse liver lysate (in RIPA buffer) stained with ARG65113 anti-ACAT1 antibody at 0.01 µg/ml dilution and incubated at RT for 1 hour.