

PAD664Hu01

Polyclonal Antibody to Acetyl Coenzyme A Acetyltransferase 1 (ACAT1)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Polyclonal antibody preparation

Host: Rabbit

Purification: Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Traits: Liquid

Concentration: 0.5mg/mL

UOM: 200µL

Cross Reactivity: N/A

Applications: WB; IHC; ICC/IF; FCM

[IMMUNOGEN]

Immunogen: Recombinant ACAT1 (Ala111~Leu427) expressed in *E.coli*

Accession No.: RPD664Hu01

[APPLICATIONS]

Western blotting: 0.01-2µg/mL;

Immunohistochemistry: 5-20?g/mL;

Immunofluorescence:5-20?g/mL;

Flow cytometry: 20?g/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

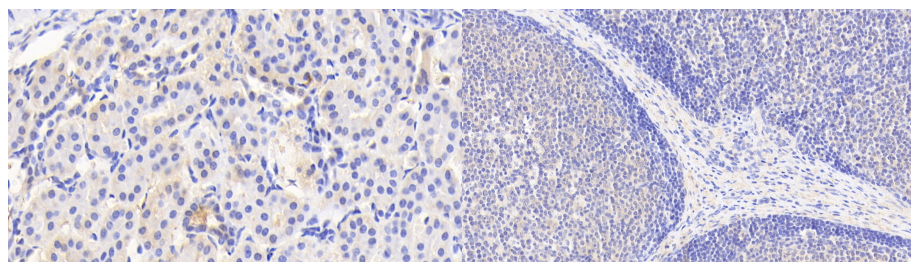
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined

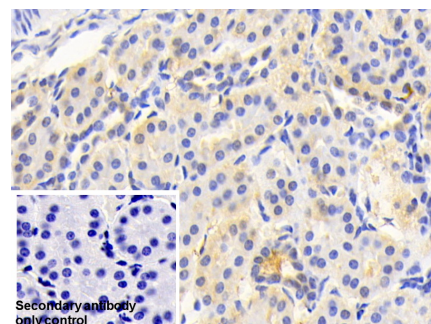
by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[IDENTIFICATION]

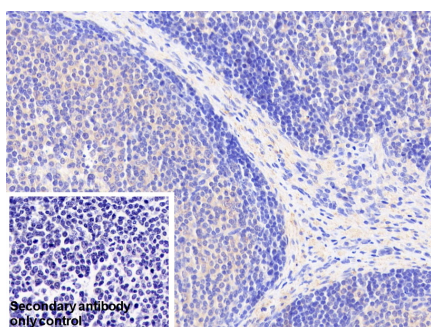


DAB staining on IHC-P; Samples:
Human Kidney Tissue; Primary Ab:
20?g/ml Rabbit Anti-Human ACAT1
Antibody Second Ab: 2μg/mL HRP-
Linked Caprine Anti-Rabbit IgG
Polyclonal Antibody (Catalog:
SAA544Rb19)

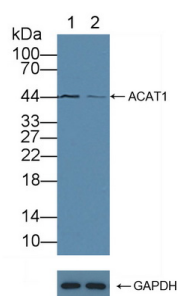
DAB staining on IHC-P;
Samples: Human Lymph node Tissue;
Primary Ab: 20?g/ml Rabbit Anti-
Human ACAT1 Antibody
Second Ab: 2μg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



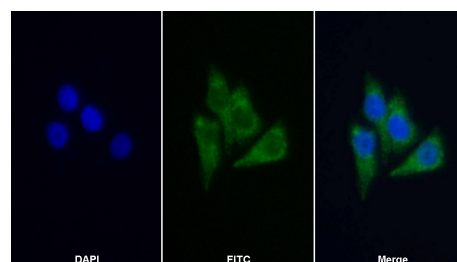
DAB staining on IHC-P;
Sample: Human Kidney Tissue
Primary Ab: 20μg/ml Rabbit Anti-
Human ACAT1 Antibody
Control: Used PBS instead of primary
antibody
Second Ab: 2μg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)



DAB staining on IHC-P;
Sample: Human Lymph node Tissue
Primary Ab: 20μg/ml Rabbit Anti-
Human ACAT1 Antibody
Control: Used PBS instead of primary
antibody



Knockout Varification:
Lane 1: Wild-type A549 cell lysate;
Lane 2: ACAT1 knockout A549 cell
lysate;
Predicted MW: 17,45kd
Observed MW: 44kd

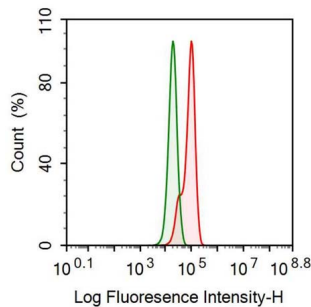


FITC staining on IF;
Sample: HepG2 cell
Primary Ab: 20μg/ml Rabbit Anti-
Human ACAT1 Antibody
Second Ab: 2μg/ml FITC-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody

Second Ab: 2µg/ml HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)

Primary Ab: 1µg/ml Rabbit Anti-Human
ACAT1 Antibody
Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Rabbit IgG Polyclonal
Antibody
(Catalog: SAA544Rb19)

(Catalog: SAA544Rb11)



Human HepG2 cell was fixed with 2%
paraformaldehyde (10 min) ,
permeabilised with 0.1% BSA-Triton
X-100, then stained with 20µg/ml rabbit
Anti-human ACAT1 Polyclonal Antibody
(Catalog PAD664Hu01, red histogram)
or Isotype control antibody (Catalog
IS067-Rb01, green histogram), followed
by 1µg/ml FITC-conjugated Anti-rabbit
IgG Secondary Antibody (Catalog
SAA544Rb18).

[**IMPORTANT NOTE**]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.