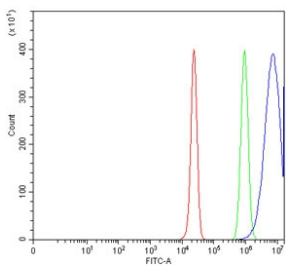
ACAT2 Antibody / Acetyl-CoA acetyltransferase, cytosolic (RQ7052)

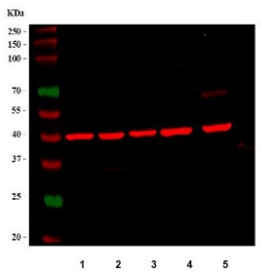
Catalog No.	Formulation	Size
RQ7052	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9BWD1
Applications	Western Blot : 0.5-1 ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This ACAT2 antibody is available for research use only.



Flow cytometry testing of human HepG2 cells with ACAT2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ACAT2 antibody.



Western blot testing of 1) human HepG2, 2) human HeLa, 3) human Jurkat, 4) human K562 and 5) mouse liver tissue lysate with ACAT2 antibody. Predicted molecular weight: ~41 kDa (isoform 1) and ~45 kDa (isoform 2).

Description

Acetyl-CoA acetyltransferase, cytosolic, also known as cytosolic acetoacetyl-CoA thiolase, is an enzyme that in humans is encoded by the ACAT2 (acetyl-Coenzyme A acetyltransferase 2) gene. The product of this gene is an enzyme involved in lipid metabolism, and it encodes cytosolic acetoacetyl-CoA thiolase. This gene shows complementary overlapping with the 3-prime region of the TCP1 gene in both mouse and human. These genes are encoded on opposite strands of DNA, as well as in opposite transcriptional orientation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the ACAT2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Q31-E397) was used as the immunogen for the ACAT2 antibody.

Storage

After reconstitution, the ACAT2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.