

CoraLite® Plus 647-conjugated ACAT2 Polyclonal antibody

Catalog Number: **CL647-14755**

Basic Information

Catalog Number:

CL647-14755

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6503

GenBank Accession Number:

BC000408

GeneID (NCBI):

39

UNIPROT ID:

Q9BWD1

Full Name:

acetyl-Coenzyme A acetyltransferase

2

Calculated MW:

41 kDa

Observed MW:

40-42 kDa

Purification Method:

Antigen affinity purification

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse, rat

Background Information

Acyl-CoA: cholesterolacyltransferase (ACAT) is an intracellular membrane-bound enzyme that uses cholesterol and long chain fatty acyl-coenzyme A (CoA) as substrates to produce cholesteryl esters. Two isoforms of the enzyme ACAT, i.e., ACAT1 and ACAT2, are known to exist. ACAT2, which is expressed in liver and intestine cells, has been found to play an important role in intracellular cholesterol homeostasis and univariate survival analyses have shown that ACAT2 expression is associated with a poor clear cell renal cell carcinoma associated survival.

Storage

Storage:

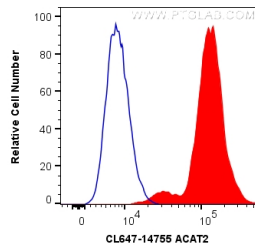
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



1X10⁶ HepG2 cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human ACAT2 (CL647-14755) (red), or 0.2 ug isotype control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).