

For Research Use Only

# CoraLite® Plus 555-conjugated ACAT2 Polyclonal antibody



Catalog Number: CL555-14755

## Basic Information

<b>Catalog Number:</b> CL555-14755	<b>GenBank Accession Number:</b> BC000408	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1 mg/mL by Nanodrop;	<b>GeneID (NCBI):</b> 39	<b>Excitation/Emission maxima wavelengths:</b> 554 nm / 570 nm
<b>Source:</b> Rabbit	<b>Full Name:</b> acetyl-Coenzyme A acetyltransferase 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 41 kDa	
<b>Immunogen Catalog Number:</b> AG6503	<b>Observed MW:</b> 40-42 kDa	

## 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.

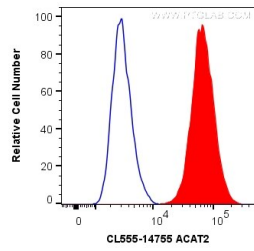
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.2 ug CoraLite® Plus 555 Anti-Human ACAT2 (CL555-14755) (red), or 0.2 ug CoraLite® Plus 555 Rabbit IgG Control Antibody (CL555-30000) (Blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).