

For Research Use Only

# ACAT2 Polyclonal antibody

Catalog Number: 14755-1-AP

Featured Product

11 Publications



## Basic Information

**Catalog Number:**

14755-1-AP

**Size:**

150ul, Concentration: 550 ug/ml by Nanodrop;

**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

**Recommended Dilutions:**

WB 1:2000-1:12000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:200-1:800

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, FC (Intra), IP, ELISA

**Cited Applications:**

WB, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, rat

**Positive Controls:**

**WB:** Caco-2 cells, HepG2 cells, K-562 cells, MOLT-4 cells, mouse liver, rat liver

**IP:** mouse liver tissue,

**IHC:** human liver tissue, human lung tissue, human placenta tissue

**IF/ICC:** HepG2 cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Notable Publications

Author	Pubmed ID	Journal	Application
De Huang	27644987	Cell Res	WB
George D Dalton	34568800	iScience	WB
Yunxia Yang	31679333	J Agric Food Chem	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

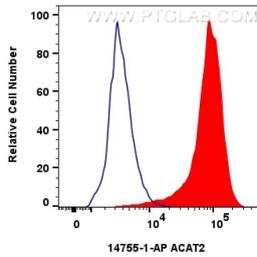
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

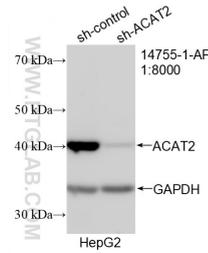
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

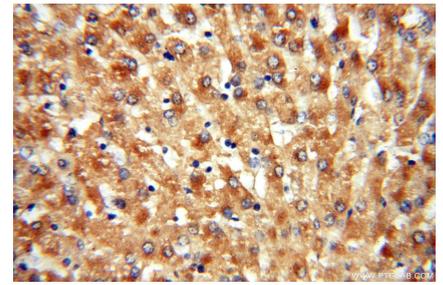
## Selected Validation Data



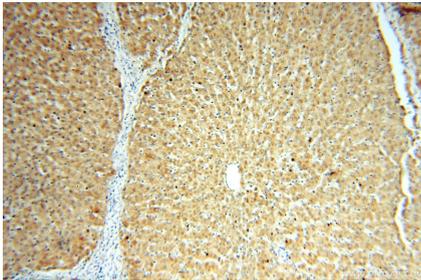
1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug ACAT2 Polyclonal antibody (14755-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



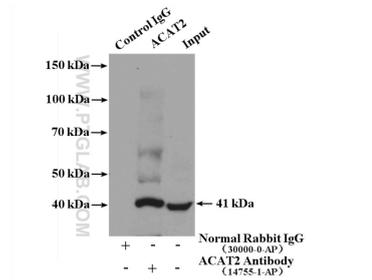
WB result of ACAT2 antibody (14755-1-AP; 1:8000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACAT2 transfected HepG2 cells.



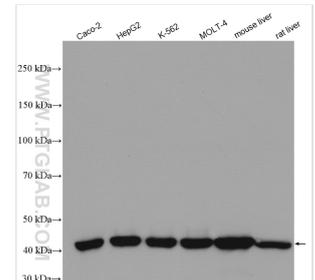
Immunohistochemical analysis of paraffin-embedded human liver using 14755-1-AP (ACAT2 antibody) at dilution of 1:100 (under 40x lens).



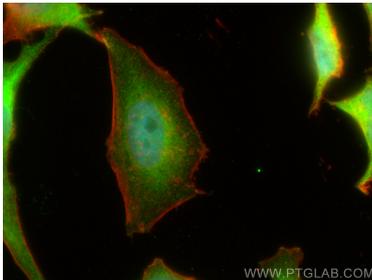
Immunohistochemical analysis of paraffin-embedded human liver using 14755-1-AP (ACAT2 antibody) at dilution of 1:100 (under 10x lens).



IP result of anti-ACAT2 (IP:14755-1-AP, 4ug; Detection:14755-1-AP 1:1000) with mouse liver tissue lysate 4000ug.



Various lysates were subjected to SDS PAGE followed by western blot with 14755-1-AP (ACAT2 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using ACAT2 antibody (14755-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).