

For Research Use Only

# ACOT4 Polyclonal antibody

Catalog Number: 17316-1-AP



## Basic Information

<b>Catalog Number:</b> 17316-1-AP	<b>GenBank Accession Number:</b> BC031799	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 450 µg/ml	<b>GeneID (NCBI):</b> 122970	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500 IF 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8N9L9	
<b>Isotype:</b> IgG	<b>Full Name:</b> acyl-CoA thioesterase 4	
<b>Immunogen Catalog Number:</b> AG11286	<b>Calculated MW:</b> 421 aa, 46 kDa	
	<b>Observed MW:</b> 46 kDa	

## Applications

**Tested Applications:**  
IF/ICC, IHC, WB, ELISA

**Species Specificity:**  
human, mouse

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

**Positive Controls:**

WB : L02 cells,  
IHC : mouse kidney tissue,  
IF : A549 cells,

## Background Information

ACOT4, also known as PET2B and PTEIB, is an acyl-CoA thioesterases which catalyze the hydrolysis of acyl-CoAs to the free fatty acid and coenzyme A (CoASH), regulating their respective intracellular levels. ACOT4 has the strongest expression in liver and kidney and weaker expression in placenta, heart, and muscle (PMID: 16940157).

## 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

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

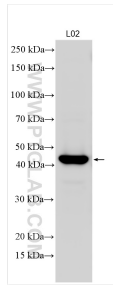
T: 4006900926

E: Proteintech-CN@ptglab.com

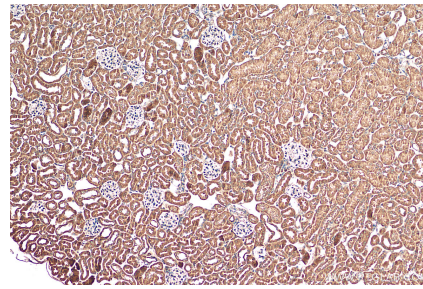
W: ptgcn.com

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

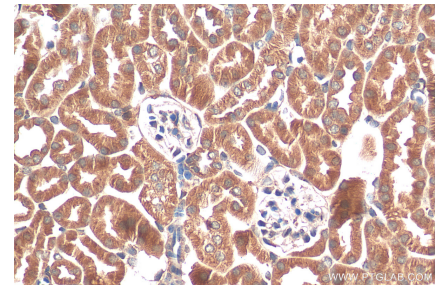
## Selected Validation Data



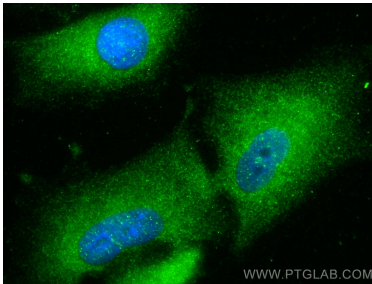
L02 cells were subjected to SDS PAGE followed by western blot with 17316-1-AP (ACOT4 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 17316-1-AP (ACOT4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 17316-1-AP (ACOT4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using ACOT4 antibody (17316-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).