

For Research Use Only

ACOT4 Polyclonal antibody

Catalog Number: 17316-1-AP



Basic Information

Catalog Number: 17316-1-AP	GenBank Accession Number: BC031799	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 ug/ml by Nanodrop;	GeneID (NCBI): 122970	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	UNIPROT ID: Q8N9L9	IHC 1:50-1:500
Isotype: IgG	Full Name: acyl-CoA thioesterase 4	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG11286	Calculated MW: 421 aa, 46 kDa	
	Observed MW: 46 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : HepG2 cells, L02 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse kidney tissue,
	IF/ICC : 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

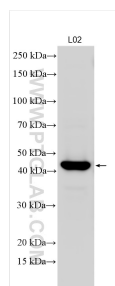
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

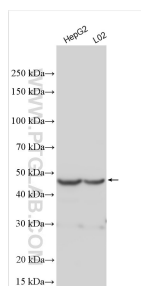
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

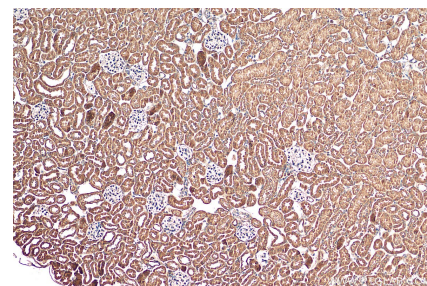
Selected Validation Data



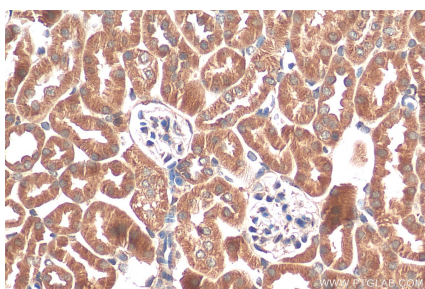
L02 cells were subjected to SDS PAGE followed by western blot with 17316-1-AP (ACOT4 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



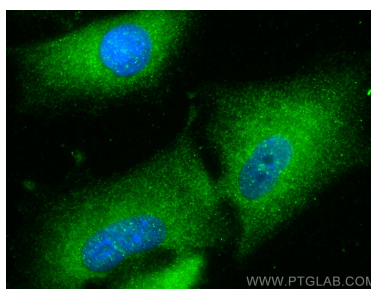
Various lysates were subjected to SDS PAGE followed by western blot with 17316-1-AP (ACOT4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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 Goat Anti-Rabbit IgG(H+L).