

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: 450 µg/ml	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, IF/ICC, IHC, 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,

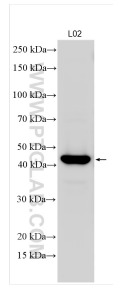
Background Information

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).

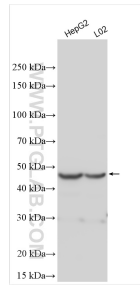
Storage

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

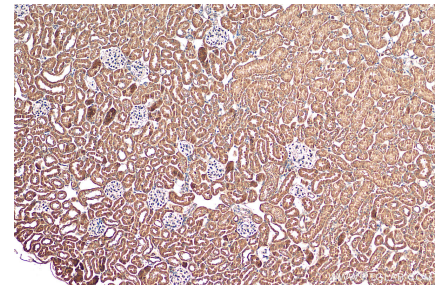
Selected Validation Data



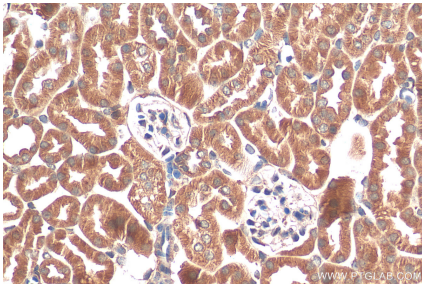
L02 cells were subjected to SDS PAGE followed by western blot with 17316-1-AP (ACOT4 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



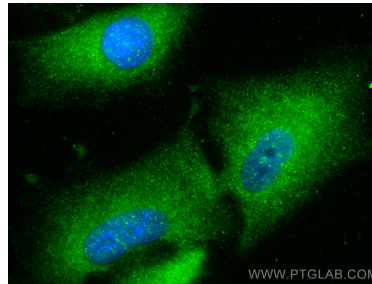
Various lysates were subjected to SDS PAGE followed by western blot with 17316-1-AP (ACOT4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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 AffiniPure Goat Anti-Rabbit IgG(H+L).