For Research Use Only

CPT1A Polyclonal antibody Catalog Number:15184-1-AP Featured Product



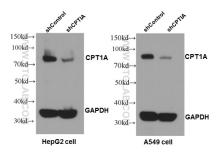


Basic Information	Catalog Number: 15184-1-AP	GenBank Accession Number: BC000185		Purification Method: Antigen affinity purification	
	Size:	GeneID (NCBI): 1374 UNIPROT ID: P50416 Full Name: carnitine palmitoyltransferase 1A (liver)		Recommended Dilutions: WB 1:5000-1:50000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:500-1:2000 IF/ICC 1:300-1:1200	
	150ul , Concentration: 900 ug/ml by Nanodrop;				
	Source:				
	Rabbit				
	lsotype: IgG				
	Immunogen Catalog Number: AG7202	Calculated MW: 88 kDa			
		Observed MW: 86 kDa			
Applications	Tested Applications: Positive Controls:				
	WB, IHC, IF/ICC, FC (Intra), IP, ELISA		WB : HepG2 cells, A549 cells, HeLa cells, MCF-7 cells, mouse liver tissue, rat liver tissue, mouse spleen tissue		
	Cited Applications: WB, IHC, IF, IP, CoIP, ChIP				
	Species Specificity:		IP : HepG2 ce	lls,	
	human, mouse, rat		IHC : human liver cancer tissue, mouse brain tissue		
	Cited Species: human, mouse, rat, pig, chicken, zebrafish, bovine, goat, yellow croaker, duck		IF/ICC : HeLa	IF/ICC : HeLa cells, 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				
		ith citrate			
Background Information	buffer pH 6.0 CPT1A, also named CPT1, CPT1-L and is localized Chromosome 11q13.1-2.	J L-CPTI, belongs to t Carnitine palmitoylt he CPT system is ma Ibranes. CPT1A is an 305). CPT1A deficien	ransferase (CPT) de up of two sepa active form of rel cy presents as rec	deficiencies are common disorders of rate proteins located in the outer (CPT1 ated liver-type carnitine urrent attacks of fasting hypoketotic	
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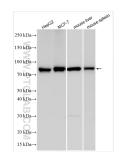
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com

Group brand and is not available to purchase from any other manufacturer.

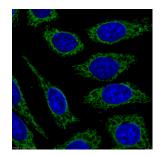
Selected Validation Data



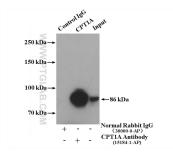
WB results of CPT1A antibody (1:1000) with shCPT1A-A549 and shCPT1A-HepG2 cells. shControl-A549 and shControl-HepG2 as positive control.



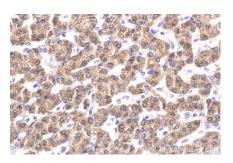
Various lysates were subjected to SDS PAGE followed by western blot with 15184-1-AP (CPT1A antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



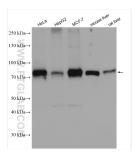
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 15184-1-AP (CPT1A antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-CPT1A (IP:15184-1-AP, 4ug; Detection:15184-1-AP 1:1000) with HepG2 cells lysate 3000 ug.

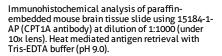


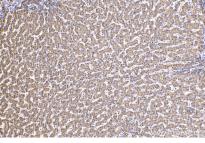
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 15184-1-AP (CPT1A antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



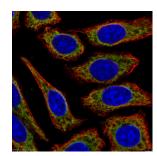
Various lysates were subjected to SDS PAGE followed by western blot with 15184-1-AP (CPT1A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.





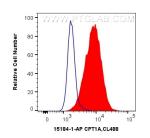


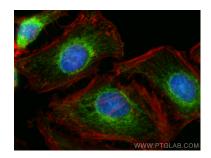
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 15184-1-AP (CPT1A antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



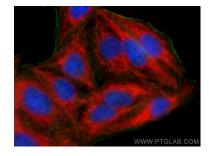
Immunofluorescent analysis of -20°C Ethanol fixed HepG2 cells stained for CPT 1A rabbit pAb (15184-1-AP) and KRT 18 mouse mAb (66187-1-Ig) at dilution of 1:50, further stained with Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) for 15184-1-AP, and Alexa Fluor 594-conjugated AffiniPure Goat Anti-Mouse IgG (H+L) for 66187-1-Ig.







Immunohistochemical analysis of paraffinembedded mouse brain tissue slide using 15184-1-AP (CPT1A antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). 1X10[^]6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human CPT1A (15184-1-AP) and Coralite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CPT1A antibody (15184-1-AP) at dilution of 1:600 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CPT1A antibody (15184-1-AP) at dilution of 1:400 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4), CL488-Phalloidin (green).