For Research Use Only

CPT1B-specific Polyclonal antibody

Catalog Number:22170-1-AP

Featured Product 78 Publications

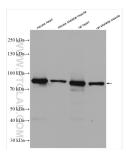


Basic Information	Catalog Number: 22170-1-AP	GenBank Accession Number: BC 131570		Purification Method: Antigen affinity purification	
	Size: 150ul, Concentration: 600 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG Immunogen Catalog Number: AG17840	GeneID (NCBI): 1375 UNIPROT ID: Q92523 Full Name: carnitine palmitoyltrans: (muscle) Calculated MW: 567 aa, 64 kDa Observed MW: 75-85 kDa	ferase 1B	Recommended Dilutions: WB: 1:2000-1:10000 IP: 0.5-4.0 ug for 1.0-3.0 m protein lysate IHC: 1:50-1:500 IF-P: 1:50-1:500	
Applications	Tested Applications:		ositive Conti	rols:	
Applications	WB, IHC, IF-P, IP, ELISA		WB : mouse heart tissue, rat skeletal muscle		scle tissue,
	Cited Applications:	m	mouse skeletal muscle tissue, rat he		issue
	WB, IHC, IF, IP Species Specificity:	IF	IP : mouse heart tissue, mouse skeletal muscle tis		nuscle tissue
	human, mouse, rat		IHC : mouse heart tissue,		
	Cited Species: IF-P : mouse heart tissue, human, mouse, rat, pig, zebrafish, sheep, ewes				
	TE buffer pH 9.0; (*) Alternati retrieval may be performed w buffer pH 6.0				
	Carnitine palmitoyltransferases (CP	۲s) mediate the transport c	-		nitochondria
Background Information	matrix to undergo b-oxidation. Type express three isoforms: CPT1A (liver, due to the alternative splicing, with p), CPT1B (muscle and hear	t), and CPT1C		tissues
	express three isoforms: CPT1A (liver due to the alternative splicing, with p), CPT1B (muscle and hear	t), and CPT1C	: (brain). Several isoforms	tissues
	express three isoforms: CPT1A (liver due to the alternative splicing, with Author Put), CPT1B (muscle and heart predicted MW of 88/84/79, med ID Journal	t), and CPT1C	: (brain). Several isoforms Appl	tissues of CPT1B exi
	express three isoforms: CPT1A (liver due to the alternative splicing, with p Author Put Kevin Gibbs 329), CPT1B (muscle and heard predicted MW of 88/84/79, med ID Journal	t), and CPT1C /66 kDa. bl A Biol Sci N	: (brain). Several isoforms Appl	tissues of CPT1B exi
	express three isoforms: CPT1A (liver due to the alternative splicing, with p Author Put Kevin Gibbs 329 Myeong-Hwa Song 345), CPT1B (muscle and heart predicted MW of 88/84/79) omed ID Journal 097738 J Gerontco 571434 Biomater	t), and CPT1C /66 kDa. bl A Biol Sci N	(brain). Several isoforms App Ned Sci WB	tissues of CPT1B ex
Notable Publications	express three isoforms: CPT1A (liver due to the alternative splicing, with p Author Put Kevin Gibbs 329 Myeong-Hwa Song 345), CPT 1B (muscle and heard predicted MW of 88/84/79) pmed ID Journal 997738 J Geronto 571434 Biomater 115498 Cell Com	t), and CPT1C /66 kDa. bl A Biol Sci N ials	: (brain). Several isoforms App Aed Sci WB WB	tissues of CPT1B ex
Background Information Notable Publications Storage	express three isoforms: CPT1A (liver due to the alternative splicing, with p Author Put Kevin Gibbs 329 Myeong-Hwa Song 345 Weiwei Gui 331 Storage: Stora et -20°C. Stable for one year aft Storage Buffer:), CPT 1B (muscle and heard predicted MW of 88/84/79/ pmed ID Journal 997738 J Geronto 571434 Biomater 115498 Cell Com er shipment.	t), and CPT1C /66 kDa. bl A Biol Sci N ials	: (brain). Several isoforms App Aed Sci WB WB	tissues of CPT1B ex

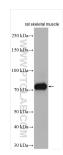
For technical support and original validation data for this product please contact:T: 1 (888) 4PTGLAB (1-888-478-4522) (toll freeE: proteintech@ptglab.comin USA), or 1(312) 455-8498 (outside USA)W: ptglab.com

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

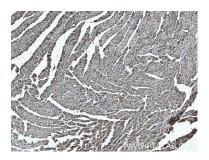
Selected Validation Data



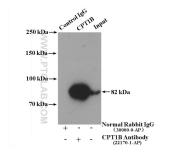
Various lysates were subjected to SDS PAGE followed by western blot with 22170-1-AP (CPT1B-specific antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



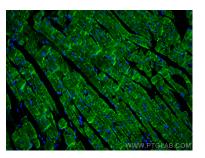
Rat skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 22170-1-AP (CPT1B-specific antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



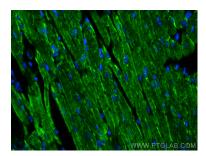
Immunohistochemical analysis of paraffinembedded mouse heart tissue slide using 22170-1-AP (CPT1B-specific antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-CPT1B-specific (IP:22170-1-AP, 4ug; Detection:22170-1-AP 1:600) with mouse heart tissue lysate 3600 ug.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using CPT1B-specific antibody (22170-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using CPT1B-specific antibody (22170-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).