

产品名称: CPTI-M Rabbit Polyclonal Antibody
产品货号: APRab09335



产品概述 (Summary)

产品名称 (Production Name)	CPTI-M Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CPT1B CPT1B; KIAA1670; Carnitine O-palmitoyltransferase 1; muscle isoform; CPT1-M; Carnitine O-palmitoyltransferase I, muscle isoform; CPT I; CPTI-M; Carnitine palmitoyltransferase 1B; Carnitine palmitoyltransferase I-like protein
别名 (Alternative Names)	
基因 ID (Gene ID)	1120/1375
蛋白 ID (SwissProt ID)	Q92523.The antiserum was produced against synthesized peptide derived from human CPT1B. AA range:401-450

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	88kDa

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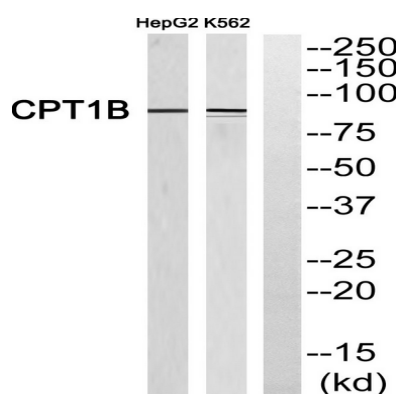
研究背景 (Background)

The protein encoded by this gene, a member of the carnitine/choline acetyltransferase family, is the rate-controlling enzyme of the long-chain fatty acid beta-oxidation pathway in muscle mitochondria. This enzyme is required for the net transport of long-chain fatty acyl-CoAs from the cytoplasm into the mitochondria. Multiple transcript variants encoding different isoforms have been found for this gene, and read-through transcripts are expressed from the upstream locus that include exons from this gene. [provided by RefSeq, Jun 2009], catalytic activity: ATP + choline = ADP + O-phosphocholine, catalytic activity: ATP + ethanolamine = ADP + O-phosphoethanolamine, catalytic activity: Palmitoyl-CoA + L-carnitine = CoA + L-palmitoylcarnitine, miscellaneous: This protein is produced by a bicistronic gene which also produces the CHKB protein from a non-overlapping reading frame, miscellaneous: This protein is produced by a bicistronic gene which also produces the CPT1B protein from a non-overlapping reading frame, pathway: Lipid metabolism; fatty acid beta-oxidation, similarity: Belongs to the carnitine/choline acetyltransferase family, similarity: Belongs to the choline/ethanolamine kinase family, tissue specificity: Strong expression in heart and skeletal muscle. No expression in liver and kidney.

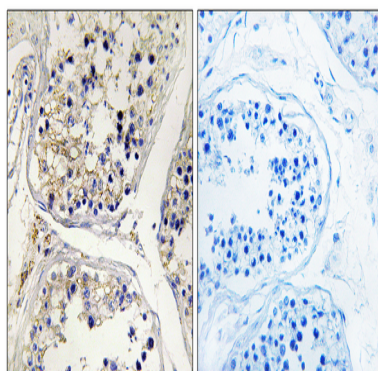
研究领域 (Research Area)

Fatty acid metabolism; Glycerophospholipid metabolism; PPAR; Adipocytokine;

图片 (Image Data)



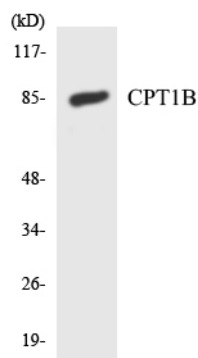
Western blot analysis of CPT1B Antibody. The lane on the right is blocked with the CPT1B peptide.



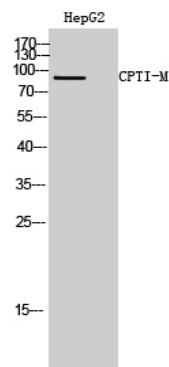
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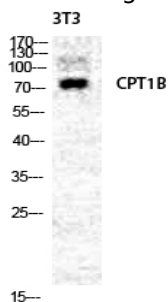
Immunohistochemistry analysis of paraffin-embedded human testis, using CPT1B Antibody. The lane on the right is blocked with the CPT1B peptide.



Western blot analysis of the lysates from HepG2 cells using CPT1B antibody.



Western Blot analysis of HepG2 cells using CPTI-M Polyclonal Antibody diluted at 1: 2000



Western Blot analysis of NIH-3T3 cells using CPTI-M Polyclonal Antibody diluted at 1: 2000

注意事项 (Note)

For research use only .