

产品名称: CPT2 (2S12) Rabbit Monoclonal Antibody
产品货号: AMRe09334



产品概述 (Summary)

产品名称 (Production Name)	CPT2 (2S12) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
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)	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CPT2
别名 (Alternative Names)	CPT1; CPT2; IIAE4; CPTASE;
基因 ID (Gene ID)	1376.0
蛋白 ID (SwissProt ID)	P23786.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:1000-1:5000,IHC 1:50-1:100,ICC/IF 1:50-1:100
蛋白分子量 (Molecular Weight)	74kDa

研究背景 (Background)

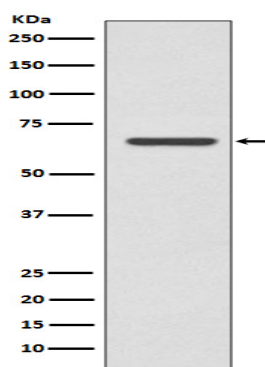
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The protein encoded by this gene is a nuclear protein which is transported to the mitochondrial inner membrane. Together with carnitine palmitoyltransferase I, the encoded protein oxidizes long-chain fatty acids in the mitochondria. Defects in this gene are associated with mitochondrial long-chain fatty-acid (LCFA) oxidation disorders. Involved in the intramitochondrial synthesis of acylcarnitines from accumulated acyl-CoA metabolites (PubMed: [20538056](http://www.uniprot.org/citations/20538056)), PubMed: [24780397](http://www.uniprot.org/citations/24780397)). Reconverts acylcarnitines back into the respective acyl-CoA esters that can then undergo beta-oxidation, an essential step for the mitochondrial uptake of long-chain fatty acids and their subsequent beta-oxidation in the mitochondrion. Active with medium (C8- C12) and long-chain (C14-C18) acyl-CoA esters (PubMed: [20538056](http://www.uniprot.org/citations/20538056)).

研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of CPT2 expression in MCF-7 cell lysate.

注意事项 (Note)

For research use only .