

产品名称: ChoKB Rabbit Polyclonal Antibody
产品货号: APRab08773



产品概述 (Summary)

产品名称 (Production Name)	ChoKB 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)	CHKB CHKB; CHETK; CHKL; Choline/ethanolamine kinase; Choline kinase beta; CK;
别名 (Alternative Names)	CKB; Choline kinase-like protein; Ethanolamine kinase; EK; Ethanolamine kinase beta; EKB; choline/ethanolamine kinase beta; CKEKB
基因 ID (Gene ID)	1120.0
蛋白 ID (SwissProt ID)	Q9Y259.The antiserum was produced against synthesized peptide derived from human CHKB. AA range:301-350

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 1:10000-1:20000
蛋白分子量 (Molecular Weight)	45kDa

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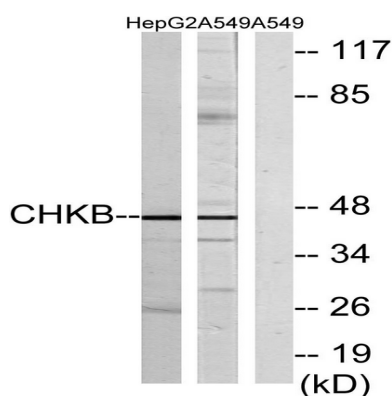
研究背景 (Background)

Choline kinase (CK) and ethanolamine kinase (EK) catalyze the phosphorylation of choline/ethanolamine to phosphocholine/phosphoethanolamine. This is the first enzyme in the biosynthesis of phosphatidylcholine/phosphatidylethanolamine in all animal cells. The highly purified CKs from mammalian sources and their recombinant gene products have been shown to have EK activity also, indicating that both activities reside on the same protein. The choline kinase-like protein encoded by CHKL belongs to the choline/ethanolamine kinase family; however, its exact function is not known. Read-through transcripts are expressed from this locus that include exons from the downstream CPT1B locus. [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)

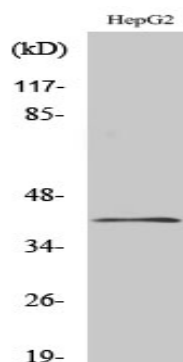
Fatty acid metabolism; Glycerophospholipid metabolism; PPAR; Adipocytokine;

图片 (Image Data)



Western blot analysis of lysates from HepG2 and A549 cells, using CHKB Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using ChoKB Polyclonal Antibody

注意事项 (Note)

For research use only .