Product name:	ChoKB Rabbit Polyclonal Antibody
Cat number:	ABN08773
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human CHKB. AA range:301-350
Reactivity:	Human,Rat,Mouse
Applications:	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
Molecular Weight:	45kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

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.,