



# Human CHKB blocking peptide (CDBP0787)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-CHKB antibody
<b>Antigen Description</b>	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.
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CHKB choline kinase beta [ Homo sapiens ]</a>
<b>Official Symbol</b>	CHKB

<b>Synonyms</b>	CHKB; choline kinase beta; CHKL, choline kinase like; choline/ethanolamine kinase; CHETK; ethanolamine kinase beta; choline kinase-like protein; CK; EK; CKB; EKB; CHKL; CKEKB; MDCMC;
<b>Entrez Gene ID</b>	<a href="#">1120</a>
<b>mRNA Refseq</b>	<a href="#">NM_005198</a>
<b>Protein Refseq</b>	<a href="#">NP_005189</a>
<b>UniProt ID</b>	Q9Y259
<b>Chromosome Location</b>	22q13.33
<b>Pathway</b>	AMPK signaling, organism-specific biosystem; Fatty Acid Beta Oxidation, organism-specific biosystem; Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Phosphatidylcholine (PC) biosynthesis, choline => PC, organism-specific biosystem;
<b>Function</b>	ATP binding; choline kinase activity; ethanolamine kinase activity; nucleotide binding;