



Human CPT1B blocking peptide (CDBP0872)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-CPT1B (isoform 1) antibody
Antigen Description	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.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	CPT1B carnitine palmitoyltransferase 1B (muscle) [Homo sapiens]
Official Symbol	CPT1B
Synonyms	CPT1B; carnitine palmitoyltransferase 1B (muscle); carnitine O-palmitoyltransferase 1, muscle isoform; CPT1 M; M CPT1; carnitine palmitoyltransferase I-like protein; carnitine O-

palmitoyltransferase I, mitochondrial muscle isoform; CPTI; CPT1M; MCPT1; CPT1-M; CPTI-M; M-CPT1; MCCPT1; FLJ55729; FLJ58750; KIAA1670;

Entrez Gene ID	1375
mRNA Refseq	NM_001145134
Protein Refseq	NP_001138606
UniProt ID	Q92523
Chromosome Location	22q13.33
Pathway	AMPK signaling, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; Fatty Acid Beta Oxidation, organism-specific biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem;
Function	carnitine O-palmitoyltransferase activity; transferase activity, transferring acyl groups;