



Human CPT2 blocking peptide (CDBP0874)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-CPT2 (aa141-154) antibody
Antigen Description	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.
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	CPT2 carnitine palmitoyltransferase 2 [Homo sapiens]
Official Symbol	CPT2
Synonyms	CPT2; carnitine palmitoyltransferase 2; carnitine palmitoyltransferase II , CPT1; carnitine O-palmitoyltransferase 2, mitochondrial; CPTASE; CPT II; carnitine palmitoyltransferase II; CPT1; IIAE4;
Entrez Gene ID	1376

mRNA Refseq	NM_000098
Protein Refseq	NP_000089
UniProt ID	P23786
Chromosome Location	1p32
Pathway	Fatty Acid Beta Oxidation, organism-specific biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Import of palmitoyl-CoA into the mitochondrial matrix, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem;
Function	carnitine O-palmitoyltransferase activity; transferase activity, transferring acyl groups;