

Anti-CPT2 Antibody

Catalog # AP95783

Product Information

Application	WB, FC
Primary Accession	P23786
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	73777

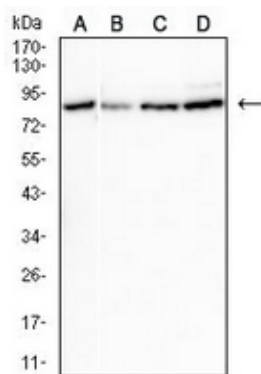
Additional Information

Gene ID	1376
Other Names	CPT1; Carnitine O-palmitoyltransferase 2, mitochondrial; Carnitine palmitoyltransferase II; CPT II
Target/Specificity	Recombinant fusion protein of human CPT2 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200)
Format	Mouse IgG2a. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

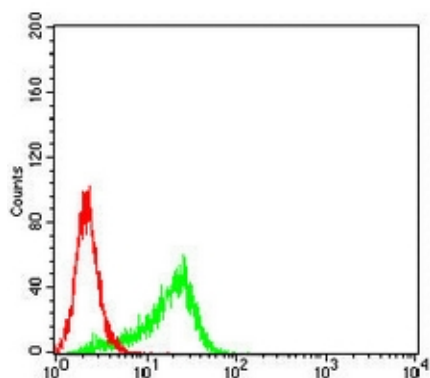
Protein Information

Name	CPT2 (HGNC:2330)
Synonyms	CPT1
Function	Involved in the intramitochondrial synthesis of acylcarnitines from accumulated acyl-CoA metabolites (PubMed: 20538056 , PubMed: 24780397). Reconverts acylcarnitines back into the respective acyl-CoA esters that can then undergo beta-oxidation, an essential step for the mitochondrial uptake of long-chain fatty acids and their subsequent beta-oxidation in the mitochondrion. Active with medium (C8- C12) and long-chain (C14-C18) acyl-CoA esters (PubMed: 20538056).
Cellular Location	Mitochondrion inner membrane; Peripheral membrane protein; Matrix side

Images



Western blot analysis of CPT2 expression in MCF7 (A), HeLa (B), NIH/3T3 (C), PC12 (D) whole cell lysates. (Predicted band size: 74 kD; Observed band size: 78 kD)



Flow cytometric analysis of HeLa cells using Anti-CPT2 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.