
Product Name: CPT2 Mouse Monoclonal Antibody**Catalog #: AMM82965**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA,FC
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	74KDa

Antigen Information

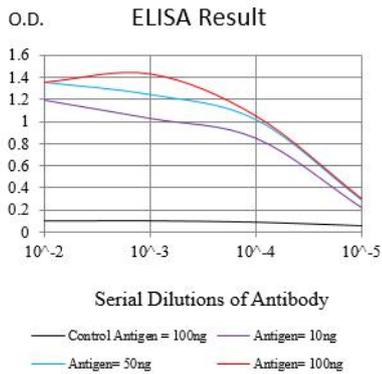
Gene Name	CPT2
Alternative Names	CPT1; IIAE4; CPTASE
Gene ID	1376.0
SwissProt ID	P23786
Immunogen	Purified recombinant fragment of human CPT2 (AA: 26-178) expressed in E. Coli.

Background

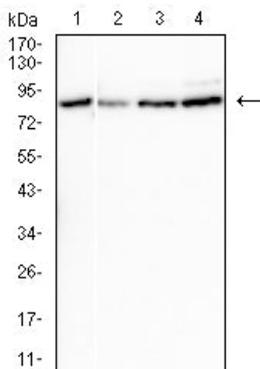
The protein encoded by this gene is a nuclear protein which is transported to the mitochondrial inner membrane. Together with carnitine palmitoyltransferase I, the encoded protein oxidizes long-chain fatty acids in the mitochondria. Defects in this gene are associated with mitochondrial long-chain fatty-acid (LCFA) oxidation disorders.

Research Area

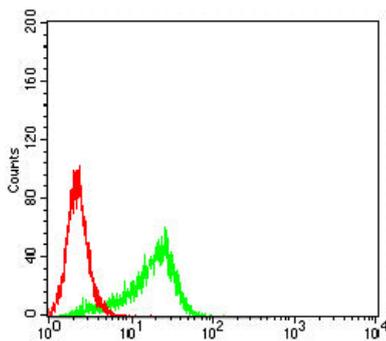
Image Data



Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using CPT2 mouse mAb against MCF-7 (1), HeLa (2), NIH/3T3 (3) and PC-12 (4) cell lysate.



Flow cytometric analysis of HeLa cells using CPT2 mouse mAb (green) and negative control (red).