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**Product Name: CPT2 Mouse Monoclonal Antibody****Catalog #: AMM82954**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,ELISA,FC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	74kDa

**Antigen Information**

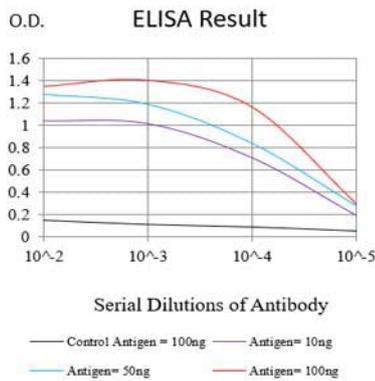
<b>Gene Name</b>	CPT2
<b>Alternative Names</b>	CPT1; IIAE4; CPTASE
<b>Gene ID</b>	1376.0
<b>SwissProt ID</b>	P23786
<b>Immunogen</b>	Purified recombinant fragment of human CPT2 (AA: 26-178) expressed in E. Coli.

**Background**

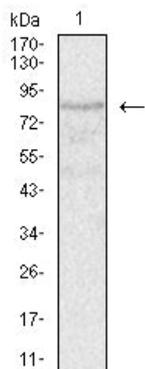
The protein encoded by this gene is a nuclear protein which is transported to the mitochondrial inner membrane. Together with carnitine palmitoyltransferase I, the encoded protein oxidizes long-chain fatty acids in the mitochondria. Defects in this gene are associated with mitochondrial long-chain fatty-acid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

## Research Area

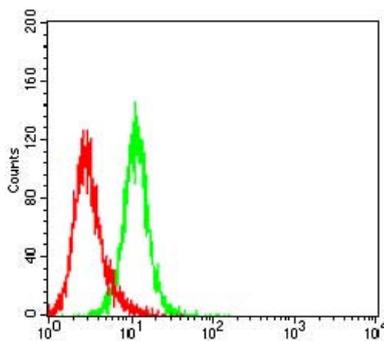
## Image Data



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 Hela (1) cell lysate.



Flow cytometric analysis of HL-60 cells using CPT2 mouse mAb (green) and negative control (red).