
Product Name: CPT1A Rabbit Monoclonal Antibody**Catalog #: AMRe87526**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,FC,IP
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	2.4mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ICC/IF 1:100-1:200,FC 1:200-1:500,IP 1:20-1:50
Molecular Weight	Calculated MW:88 kDa; Observed MW:88 kDa

Antigen Information

Gene Name	CPT1A
Alternative Names	CPT1; CPT1-L; L-CPT1
Gene ID	1374
SwissProt ID	P50416
Immunogen	Recombinant protein of human CPT1A

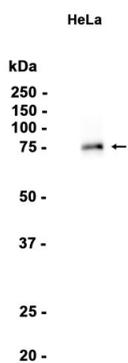
Background

The mitochondrial oxidation of long-chain fatty acids is initiated by the sequential action of carnitine palmitoyltransferase I (which is located in the outer membrane and is detergent-labile) and carnitine palmitoyltransferase II (which is located in the

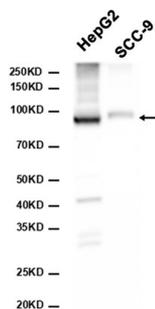
inner membrane and is detergent-stable), together with a carnitine-acylcarnitine translocase. CPT I is the key enzyme in the carnitine-dependent transport across the mitochondrial inner membrane and its deficiency results in a decreased rate of fatty acid beta-oxidation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Research Area

Image Data



Western blot analysis of extracts from HeLa cells using CPT1A Rabbit Monoclonal Antibody at 1:1000.



Western blot analysis of extracts from HepG2, SCC-9 cells using AMRe87526 at 1:1000.