

CPT1A Antibody

Catalog No: #32761



Package Size: #32761-1 50ul #32761-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

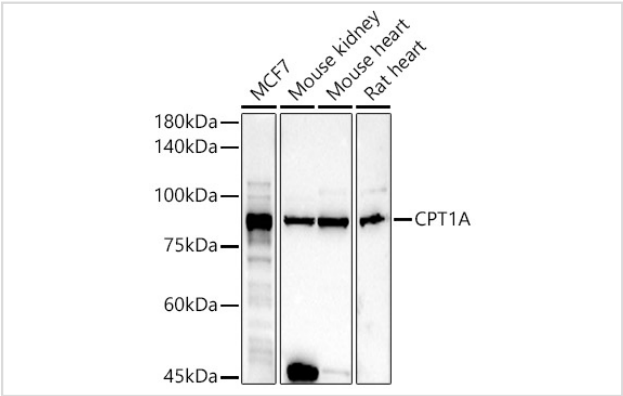
Description

Product Name	CPT1A Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total CPT1A protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human CPT1A (NP_001027017.1).
Conjugates	Unconjugated
Target Name	CPT1A
Other Names	CPT1A;CPT1;CPT1-L;L-CPT1
Accession No.	Uniprot:P50416GeneID:1374
SDS-PAGE MW	88KDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

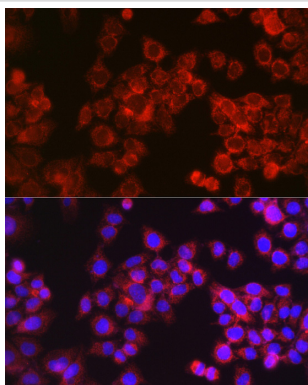
Application Details

WB 1:500 - 1:2000IF 1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using CPT1A antibody.



Immunofluorescence analysis of HeLa cells using CPT1A Rabbit pAb.

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.

Published Papers

et al., Alpha-lipoic acid alleviates NAFLD and triglyceride accumulation in liver via modulating hepatic NLRP3 inflammasome activation pathway in type 2 diabetic rats. In Food Sci Nutr on 2021 Mar 13 by Chih-Yuan Ko, Yangming Martin Lo, et al..PMID: 34026086, (2021)

[PMID:34026086](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.