CPT1A Antibody

Catalog No: #32761

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

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

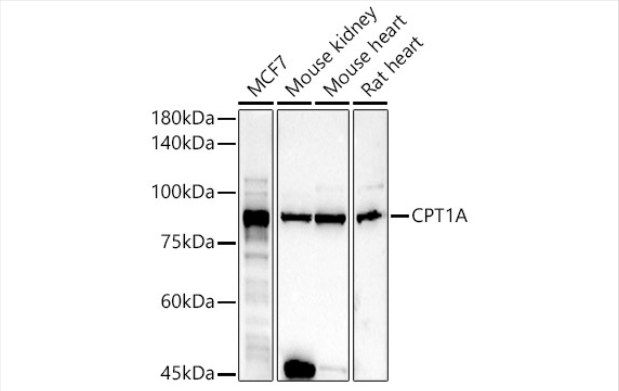
Description

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).
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.

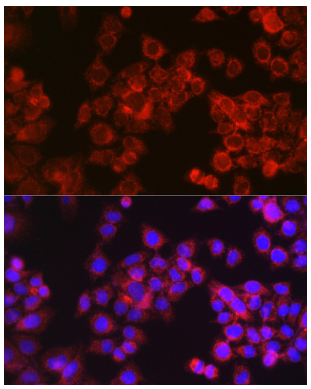
Application Details

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

el at., 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.