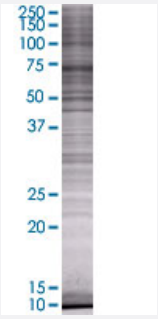
CPT1A 293T Cell Transient Overexpression Lysate(Denatured)

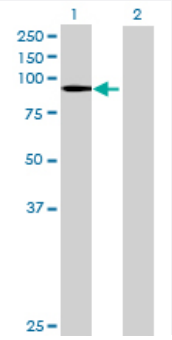
Catalog # H00001374-T01 Size 100 uL

Applications



SDS-PAGE Gel

CPT1A transfected lysate.



Western Blot

Lane 1: CPT1A transfected lysate (85.14 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CPT1A full-length
Host	Human
Theoretical MW (kDa)	85.14
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-CPT1A antibody (H00001374-B01) by We stern Blots. SDS-PAGE Gel CPT1A transfected lysate. Western Blot Lane 1: CPT1A transfected lysate (85.14 KDa) Lane 2: Non-transfected lysate.

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Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — CPT1A

Entrez GeneID	1374
GeneBank Accession#	NM_001876.2
Protein Accession#	NP_001867.2
Gene Name	CPT1A
Gene Alias	CPT1, CPT1-L, L-CPT1
Gene Description	carnitine palmitoyltransferase 1A (liver)
Omim ID	255120 600528
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	carnitine palmitoyltransferase 1A|carnitine palmitoyltransferase I, liver

Pathway

- Adipocytokine signaling pathway
- Fatty acid metabolism
- PPAR signaling pathway

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Disease

- Alzheimer disease
- Atherosclerosis
- Cardiovascular Diseases
- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Drug Toxicity
- Edema
- Fatty Liver
- Genetic Predisposition to Disease
- Hepatitis C
- Hypercholesterolemia
- Hypertension
- Hypertrophy
- Insulin Resistance
- Lipid Metabolism
- Liver Cirrhosis
- Metabolic Syndrome X
- Neoplasms
- Obesity
- Osteoporosis
- Sudden Infant Death

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