

DNAxPAb

Hard-to-Find
Antibody

CPT1A DNAxPab

Catalog # H00001374-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CPT1A DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAEAHQAVAFQFTVTPDGIDLRLSHEALRQYLSGLHSWKKKFIRFKNGIITGVYPASPSSWLIVV GVMTTMYAKIDPSLGIIAKINRTLETANCMSSQTKNVVSGVLFGTGLWVALVIMRYSLKVLLSYHG WMFTEHGKMSRATKIMMGVMKIFSGRKPMLYSFQTSPLRPLVPAVKDVTNRYLQSVRPLMKEED FKRMTALAQDFAVGLGPRLQWYLKLKSWWATNYVSDWWEYYLRGRGPLMVNSNYAMDLLYI LPTHIQAARAGNAIHAILLYRRKLDREEIKPIRLLGSTIPLCSAQWERMFNSTRIPGEETDTIQHMRDS KHVVYHRGRYFKVWLYHDGRLLKPREMEQQMQRILDNTSEPQPGEARLAALTAGDRVPWARCR QAYFGRGKNKQSLDAVEKAAFFVTLDTEEGYRSEDPDTSMDSYAKSLLHGRCYDRWFDKSFT FVVFKNKGKMLNAEHSWADAPIVAHLWEYVMSIDSLQLGYAEDGHCKGDINPNIPYPTLQWDIP GECQEVIETSLNTANLLANDVDFHSFPFVAFGKGIIKKCRTSPDAFVQLALQLAHYKDMGKFCLTY EASMTRLFREGRTEIVRSCTTESCDFVRAMVDPAQTVEQRLKLFKLASEKHQHMYRLAMTGSGI DRHLFCLYVSKYLAVESPFLEVLSEPWRLSTSQTQQQVELFDLENNPEYVSSGGGFPGPVAD DGYGVSYLVGENLINFHISKFSCPETDSHRFGRHLKEAMTDITLFGSSNSKK
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

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](#)

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](#)