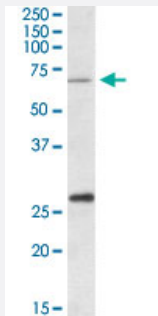


CPT2 polyclonal antibody

Catalog # PAB18741 Size 100 ug

Applications



Western Blot (Tissue lysate)

CPT2 polyclonal antibody (Cat # PAB18741) (1 ug/mL) staining of human liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of CPT2.
Immunogen	A synthetic peptide corresponding to amino acids 141-154 at internal region of human CPT2.
Sequence	C-PKSEYNDQLTRATN
Host	Goat
Theoretical MW (kDa)	70
Reactivity	Human, Mouse
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:8000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

CPT2 polyclonal antibody (Cat # PAB18741) (1 ug/mL) staining of human liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CPT2

Entrez GeneID[1376](#)**Protein Accession#**[NP_000089.1](#)**Gene Name**

CPT2

Gene Alias

CPT1, CPTASE

Gene Description

carnitine palmitoyltransferase II

Omim ID[255110](#) [600649](#) [600650](#) [608836](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a nuclear protein which is transported to the mitochondrial inner membrane. Together with carnitine palmitoyltransferase I, the encoded protein oxidizes long-chain fatty acids in the mitochondria. Defects in this gene are associated with mitochondrial long-chain fatty-acid (LCFA) oxidation disorders. [provided by RefSeq]

Other Designations

OTTHUMP00000010493|carnitine O-palmitoyltransferase

Pathway

- [Fatty acid metabolism](#)

- [PPAR signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Glycogen Storage Disease Type V](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Muscular Diseases](#)