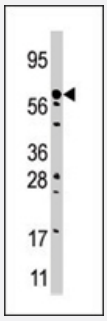
CPT2 polyclonal antibody

Catalog # PAB4373 Size 400 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of CPT2 polyclonal antibody (Cat # PAB4373) in HepG2 cell line lysate (35 ug/lane). CPT2 (arrow) was detected using the purified CPT2 polyclonal antibody (Cat # PAB4373).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CPT2.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human CPT2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — CPT2

Entrez GeneID	1376
Protein Accession#	CPT2_HUMAN
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

Publication Reference

- Metabolic characterization of a woman homozygous for the Ser113Leu missense mutation in carnitine palmitoyl transferase II.

  Haap M, Thamer C, Machann J, Tschritter O, Loblein K, Kellerer M, Schick F, Jacob S, Haring HU, Stumvoll M.

  The Journal of Clinical Endocrinology and Metabolism 2002 May; 87(5):2139.

- A novel nonsense mutation (515del4) in muscle carnitine palmitoyltransferase II deficiency.

  Deschauer M, Wieser T, Schroder R, Zierz S.

  Molecular Genetics and Metabolism 2002 Feb; 75(2):181.

- Human liver mitochondrial carnitine palmitoyltransferase I: characterization of its cDNA and chromosomal localization and partial analysis of the gene.

  Britton CH, Schultz RA, Zhang B, Esser V, Foster DW, McGarry JD.

  PNAS 1995 Mar; 92(6):1984.

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