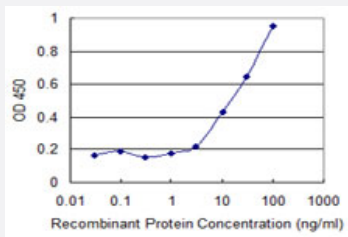


CPT2 monoclonal antibody (M01), clone 1E10

Catalog # H00001376-M01

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CPT2 is 0.3 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CPT2.
Immunogen	CPT2 (AAH05172, 351 a.a. ~ 450 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	WFDKSFNLIKDGSTAVHFEHSWGDGVAVLRFFNEVFKDSTQTPAVTPQSQPATTDSTVTVQKL NFELTDALKTGITAAKEKFDATMKTLTIDCVQFQR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (82); Rat (77)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CPT2 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CPT2

Entrez GeneID	1376
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GeneBank Accession#	BC005172
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Protein Accession#	AAH05172
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Gene Name	CPT2
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Gene Alias	CPT1, CPTASE
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Gene Description	carnitine palmitoyltransferase II
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Omim ID	255110 600649 600650 608836
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Gene Ontology	Hyperlink
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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]
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Other Designations	OTTHUMP00000010493 carnitine O-palmitoyltransferase
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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](#)