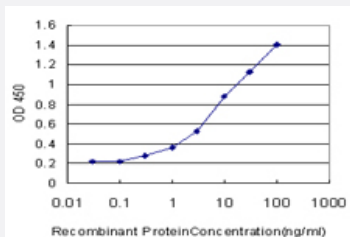


CPT2 monoclonal antibody (M02), clone 1G7

Catalog # H00001376-M02

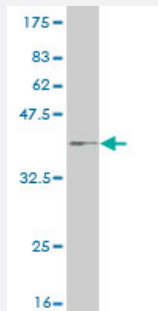
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (36.74 KDa) .

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	WFDKSFNLIIAKDGSTAVHFEHSWGDGVAVLRRFFNEVFKDSTQTPAVTPQSQPATTDSTVTVQKL NFELTDALKTGITAAKEKFDATMKTLTIDCVQFQR
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (82); Rat (77)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

Gene Info — CPT2

Entrez GeneID	1376
GeneBank Accession#	BC005172
Protein Accession#	AAH05172
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](#)