

**CPT1B Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16713B**

## Specification

### CPT1B Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	<a href="#">Q92523</a>
Other Accession	<a href="#">NP_001138609.1</a> , <a href="#">NP_001138607.1</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	87801
Antigen Region	744-770

### CPT1B Antibody (C-term) - Additional Information

**Gene ID** 1375

#### Other Names

Carnitine O-palmitoyltransferase 1, muscle isoform, CPT1-M, Carnitine O-palmitoyltransferase I, muscle isoform, CPT I, CPTI-M, Carnitine palmitoyltransferase 1B, Carnitine palmitoyltransferase I-like protein, CPT1B, KIAA1670

#### Target/Specificity

This CPT1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 744-770 amino acids from the C-terminal region of human CPT1B.

#### Dilution

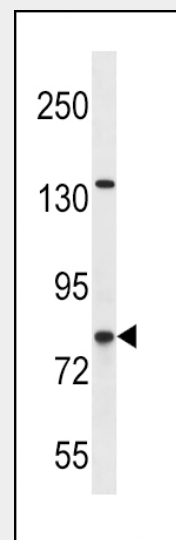
WB~~1:1000

#### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw



CPT1B Antibody (C-term) (Cat. #AP16713b) western blot analysis in SK-BR-3 cell line lysates (35ug/lane). This demonstrates the CPT1B antibody detected the CPT1B protein (arrow).

### CPT1B Antibody (C-term) - Background

The protein encoded by this gene, a member of the carnitine/choline acetyltransferase family, is the rate-controlling enzyme of the long-chain fatty acid beta-oxidation pathway in muscle mitochondria. This enzyme is required for the net transport of long-chain fatty acyl-CoAs from the cytoplasm into the mitochondria. Multiple transcript variants encoding different isoforms have been found for this gene, and read-through transcripts are expressed from the upstream locus that include exons from this gene.

### CPT1B Antibody (C-term) - References

cycles.

**Precautions**

CPT1B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CPT1B Antibody (C-term) - Protein Information**

**Name** CPT1B

**Synonyms** KIAA1670

**Cellular Location**

Mitochondrion outer membrane; Multi-pass membrane protein

**Tissue Location**

Strong expression in heart and skeletal muscle. No expression in liver and kidney

Matsuo, T., et al. Biochem. Genet. 48 (3-4), 193-201 (2010) :

Miljkovic, I., et al. Obesity (Silver Spring) 17(7):1396-1401(2009)

Miyagawa, T., et al. PLoS ONE 4 (4), E5394 (2009) :

van der Leij, F.R., et al. J. Biol. Chem. 277(30):26994-27005(2002)

Yamazaki, N., et al. J. Biol. Chem. 275(41):31739-31746(2000)

**CPT1B Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)