

## ARG63532 anti-CPT1B antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes CPT1B
Tested Reactivity	Hu
Tested Application	IHC-P
Specificity	This antibody is expected to recognise human isoforms a (NP_689452.1; NP_689451.1; NP_004368.1; NP_001138609.1; NP_001138607.1), isoform c (NP_001138606.1) and isoform d (NP_001138608.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CPT1B
Immunogen	C-DIADLFQVPKAYS
Conjugation	Un-conjugated
Alternate Names	CPT1-M; Carnitine O-palmitoyltransferase 1, muscle isoform; CPT1M; Carnitine palmitoyltransferase I-like protein; CPTI; Carnitine palmitoyltransferase 1B; Carnitine O-palmitoyltransferase I, muscle isoform; MCPT1; CPTI-M; M-CPT1; EC 2.3.1.21; CPT I; MCCPT1

### Application Instructions

Application table	Application	Dilution
	IHC-P	3 - 5 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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### Database links

[GeneID: 1375 Human](#)

[Swiss-port # Q92523 Human](#)

### 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. [provided by RefSeq, Jun 2009]

### Research Area

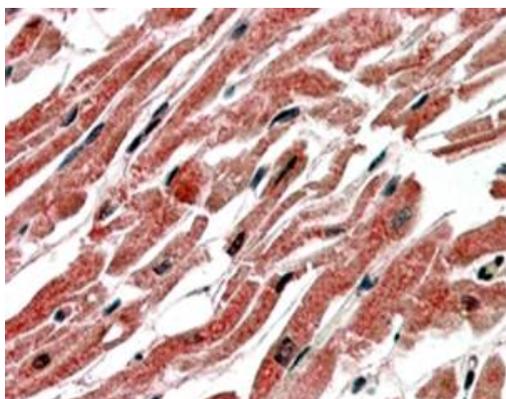
Cancer antibody; Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody

### Calculated Mw

88 kDa

## Images

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ARG63532 anti-CPT1B antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Heart. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63532 anti-CPT1B (isoform 1) antibody at 3.8 µg/ml dilution followed by AP-staining.