

CPT1B Rabbit pAb

Catalog No.: A6796

11 Publications

Basic Information

Observed MW

88kDa

Calculated MW

88kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human, Mouse, Rat

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.

Recommended Dilutions

WB 1:100 - 1:500

IHC-P 1:50 - 1:200

Immunogen Information

Gene ID

1375

Swiss Prot

Q92523

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 533-772 of human CPT1B (NP_004368.1).

Synonyms

CPTI; CPT1M; MCPT1; CPT1-M; CPTI-M; M-CPT1; MCCPT1; CPT1B

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

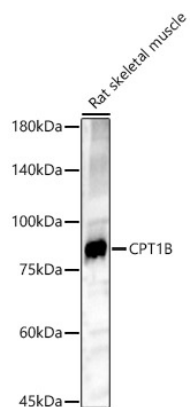
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

Validation Data



Western blot analysis of lysates from Rat skeletal muscle, using CPT1B Rabbit pAb (A6796) at 1:500 dilution.

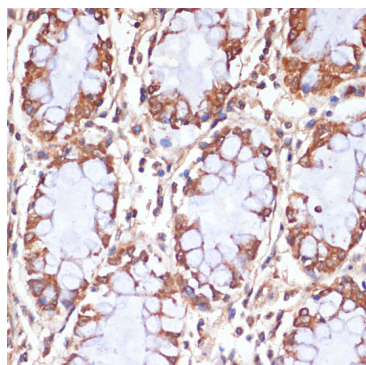
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

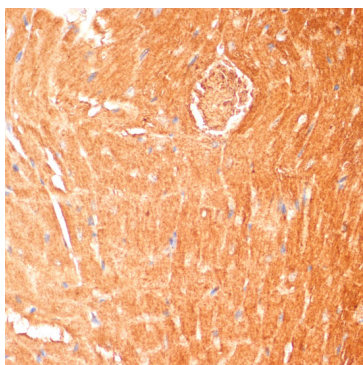
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 180s.



Immunohistochemistry analysis of CPT1B in paraffin-embedded human colon using CPT1B Rabbit pAb (A6796) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry analysis of CPT1B in paraffin-embedded mouse heart using CPT1B Rabbit pAb (A6796) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.