A26302

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CPT1B Rabbit mAb

Catalog No.: A26302 Recombinant 1 Publications

Basic Information

Observed MW
88kDa

Calculated MW
88kDa

Category
Monoclonal Antibody

Applications
WB,ELISA,IF-P

Cross-Reactivity
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	1:1000 - 1:2000
IF-P	1:100 - 1:400
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
1375

Swiss Prot
Q92523

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

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

Contact

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Product Information

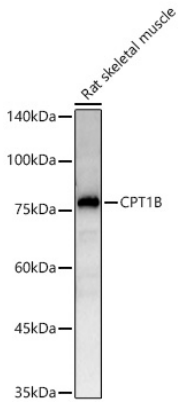
Source
Rabbit

Isotype
IgG

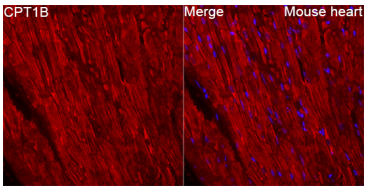
Purification
Affinity purification

Storage
Store at -20℃

Validation Data



Western blot analysis of lysates from Rat skeletal muscle using CPT1B Rabbit mAb (A26302) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.



Confocal imaging of paraffin-embedded Mouse heart tissue using CPT1B Rabbit mAb (A26302, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.