B STER[®] antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY

Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

Web: www.boster.com Phone: 027-67845390/1/2 Email: boster@boster.com

Basic Inform	ation	
Product Name	Anti-CPT1B Antibody	
Gene Name	CPT1B	
Source	Rabbit	
Clonality	Polyclonal	
lsotype	lgG	
Species Reactivity	mouse, rat	
Tested Application	WB, IF, IHC	
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human CPT1B, different from the related mouse sequence by two amino acids, and from the related rat sequence by four amino acids.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	88 kDa	
Dilution Ratios		1:500-2000 1:50-400 1:50-400 te buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 /paraffin sections.) Optimal working dilutions must be

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

CPT1B is located on 22q13.33. 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.

Product datasheet Anti-CPT1B Antibody Catalog Number: PB9491

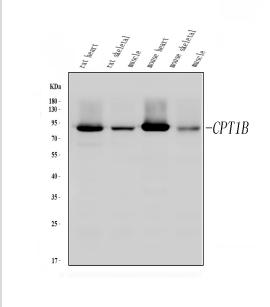
antibody and ELISA experts BOSTER BIOLOGICAL TECHNOLOGY Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

Web: www.boster.com Phone: 027-67845390/1/2 Email: boster@boster.com

Reference

Anti-CPT1B Antibody 被引用在4文献中。

Selected Validation Data



Western blot analysis of CPT1B using anti-CPT1B antibody (PB9491). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: rat heart tissue lysates,

Lane 2: rat skeletal tissue lysates,

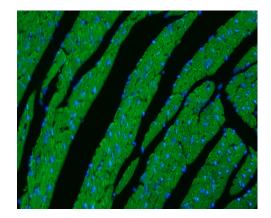
Lane 3: muscle whole cell lysates,

Lane 4: mouse heart tissue lysates,

Lane 5: mouse skeletal tissue lysates,

Lane 6: muscle whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-CPT1B antigen affinity purified polyclonal antibody (PB9491) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for CPT1B at approximately 88 kDa. The expected band size for CPT1B is at 88 kDa.



IF analysis using anti- CPT1B Antibody (PB9491). detected in paraffinembedded section of mouse cardiac tissue. The tissue section were stained using the Dylight488-conjugated Anti-rabbit IgG Secondary Antibody (green) (Catalog # BA1127) and counterstained with DAPI (blue).

Product datasheet Anti-CPT1B Antibody Catalog Number: PB9491

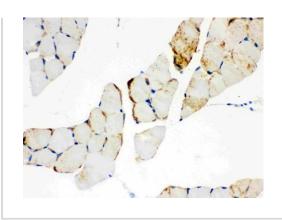
BOSTER BIOLOGICAL TECHNOLOGY Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

Web: www.boster.com Phone: 027-67845390/1/2 Email: boster@boster.com

antibody and ELISA

R

ex



IHC analysis of CPT1B using anti-CPT1B antibody (PB9491). CPT1B was detected in a paraffin-embedded section of mouse skeletal muscle tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-CPT1B Antibody (PB9491) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.