antibodies - online.com







anti-CPT1B antibody (N-Term)



Images



Overview	
Quantity:	100 μg
Target:	CPT1B
Binding Specificity:	AA 197-226, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Purpose:	Rabbit IgG polyclonal antibody for Carnitine O-palmitoyltransferase 1, muscle isoform (CPT1B) detection. Tested with WB, IHC-P in Human, Mouse, Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human CPT1B (197-226aa DDEEYYRMELLAKEFQDKTAPRLQKYLVLK), different from the related mouse sequence by two amino acids, and from the related rat sequence by four amino acids.
Sequence:	DDEEYYRMEL LAKEFQDKTA PRLQKYLVLK
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Carnitine O-palmitoyltransferase 1, muscle isoform (CPT1B) detection. Tested with WB, IHC-P in Human, Mouse, Rat. Gene Name: carnitine palmitoyltransferase 1B (muscle) Protein Name: Carnitine O-palmitoyltransferase 1, muscle isoform

Product Details Purification: Immunogen affinity purified. **Target Details** Target: CPT1B Alternative Name CPT1B (CPT1B Products) Background: 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 betaoxidation 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. Synonyms: muscle isoform antibody|Carnitine O palmitoy|transferase I mitochondrial muscle isoform antibody|Carnitine O palmitoy|transferase | muscle isoform antibody|Carnitine Opalmitoyl transferase 1, muscle isoform antibody|Carnitine O-palmitoyltransferase I antibody| Carnitine palmitoyltransferase 1A (muscle) antibody|Carnitine palmitoyltransferase 1B (muscle) antibody|Carnitine palmitoy|transferase 1B antibody|Carnitine palmitoy|transferase I like protein antibody|Carnitine palmitoy|transferase | muscle antibody|Carnitine palmitoy|transferase |-like protein antibody|CPT 1B antibody|CPT I antibody|CPT1 M antibody|CPT1 muscle antibody|CPT1-M antibody|Cpt1b antibody|CPT1B_HUMAN antibody|CPT1M antibody|CPT1 antibody|CPTI M antibody|CPTI muscle antibody|CPTI-M antibody|CPTIM antibody|FLJ55729 antibody|FLJ58750 antibody|KIAA1670 antibody|M CPT1 antibody|M-CPT1 antibody| MCCPT1 antibody|MCPT1 antibody|muscle isoform antibody Gene ID: 1375 UniProt:

LiniDunt.	00000	

AMPK Signaling, Monocarboxylic Acid Catabolic Process Pathways:

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human, Mouse, Rat
	IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Mouse, Rat, Predicted Species: Human,
	Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for
	20 mins is required for the staining of formalin/paraffin sections.
	Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be

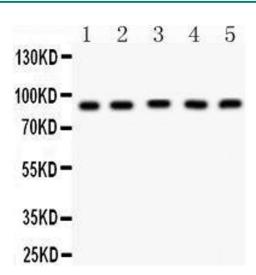
Application Details

	fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

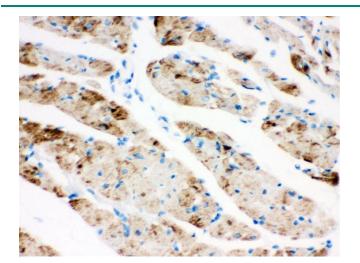
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 μg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



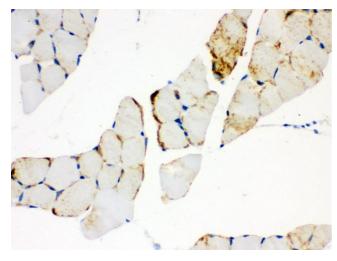
Western Blotting

Image 1. Anti- CPT1B Picoband antibody, Western blotting All lanes: Anti CPT1B at 0.5ug/ml Lane 1: Rat Skeletal Muscle Tissue Lysate at 50ug Lane 2: Rat Cardiac Muscle Tissue Lysate at 50ug Lane 3: Mouse Skeletal Muscle Tissue Lysate at 50ug Lane 4: Mouse Cardiac Muscle Tissue Lysate at 50ug Lane 5: HELA Whole Cell Lysate at 40ug Predicted bind size: 88KD Observed bind size: 88KD



Immunohistochemistry

Image 2. Anti- CPT1B Picoband antibody, IHC(P) IHC(P): Rat Cardiac Muscle Tissue



Immunohistochemistry

Image 3. Anti- CPT1B Picoband antibody, IHC(P) IHC(P): Mouse Skeletal Muscle Tissue

Please check the product details page for more images. Overall 5 images are available for ABIN3042757.