

Rabbit anti-Human CPT1B Polyclonal Antibody | anti-CPT1B antibody

CPT1B Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284851	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

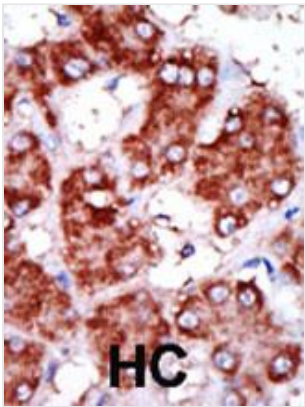
PRODUCT SYNONYMS

CPT1B; Polyclonal Antibody; CPT1B Antibody (C-term); Carnitine O-palmitoyltransferase 1; muscle isoform; CPT1-M; Carnitine O-palmitoyltransferase I; CPT I; CPTI-M; Carnitine palmitoyltransferase 1B; Carnitine palmitoyltransferase I-like protein; KIAA1670; anti-CPT1B antibody

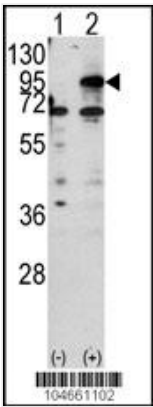
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CPT1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 606-637 amino acids from the C-terminal region of human CPT1B.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	606-637
Sequence Length	691
Applicable Applications for anti-CPT1B antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of CPT1B (arrow) using rabbit polyclonal CPT1B Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the CPT1B gene (Lane 2).

ADDITIONAL INFORMATION

Related Product Information for anti-CPT1B antibody	CPT1B is a member of the carnitine/choline acetyltransferase family, and 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.
Product Categories/Family for anti-CPT1B antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Dai, J., et al., Biochem. Biophys. Res. Commun. 301(3):758-763 (2003). van der Leij, F.R., et al., J. Biol. Chem. 277(30):26994-27005 (2002). Hirosawa, M., et al., DNA Res. 8(1):1-9 (2001). Yamazaki, N., et al., J. Biol. Chem. 275(41):31739-31746 (2000). Britton, C.H., et al., Genomics 40(1):209-211 (1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	223468670
NCBI GeneID	1375
NCBI Accession #	NP_001138606.1; NP_001138607.1; NP_001138608.1; NP_001138609.1; NP_004368.1; NP_689451.1; NP_689452.1
NCBI GenBank Nucleotide #	NM_001145134.1
UniProt Accession #	Q92523; Q13389; Q99655; Q9BY90; B7Z4U4; B7Z5T8; E9PCP2
Molecular Weight	87801
NCBI Official Full Name	carnitine O-palmitoyltransferase 1, muscle isoform isoform c
NCBI Official Synonym Full Names	carnitine palmitoyltransferase 1B (muscle)
NCBI Official Symbol	CPT1B
NCBI Official Synonym Symbols	CPTI; CPT1M; MCPT1; CPT1-M; CPTI-M; M-CPT1; MCCPT1
NCBI Protein Information	carnitine O-palmitoyltransferase 1, muscle isoform
UniProt Protein Name	Carnitine O-palmitoyltransferase 1, muscle isoform
UniProt Gene Name	CPT1B

UniProt Synonym Gene Names	KIAA1670; CPT1-M; CPT I; CPTI-M
UniProt Entry Name	CPT1B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/cpt1b-antibody-immunohistochemistry-western-blot-elisa/284851>