

Rabbit CPT1A Polyclonal Antibody | anti-CPT1A antibody

CPT1A Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288274	Rabbit	Bovine, human	Western Blot, Immunohistochemistry, ELISA

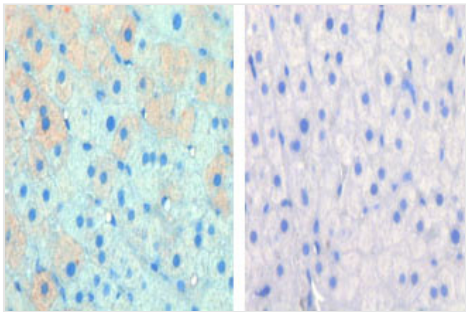
PRODUCT SYNONYMS

CPT1A; Polyclonal Antibody; CPT1A Antibody (C-term); Carnitine O-palmitoyltransferase 1; liver isoform; CPT1-L; Carnitine O-palmitoyltransferase I; CPT I; CPTI-L; Carnitine palmitoyltransferase 1A; CPT1; anti-CPT1A antibody

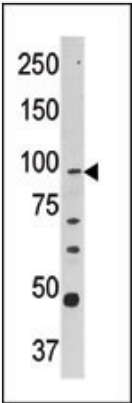
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Bovine, human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CPT1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 606-636 amino acids from the C-terminal region of human CPT1A.
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	606-636
Sequence Length	756
Applicable Applications for anti-CPT1A antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
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 (Immunohistochemistry)
Left image is paraformaldehyde-fixed and paraffin-embedded cow lactating with CPT1A Pab , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining, right image is contrast, did not add the antibody. This data was kindly offered by Hideaki Hayashi, University of Bern, Switzerland.



WB (Western Blot)
Western blot analysis of anti-CPT1A Pab in Y79 cell line lysate (35ug/lane). CPT1A(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CPT1A antibody	The mitochondrial oxidation of long-chain fatty acids is initiated by the sequential action of carnitine palmitoyltransferase I (which is located in the outer membrane and is detergent-labile) and carnitine palmitoyltransferase II (which is located in the inner membrane and is detergent-stable), together with a carnitine-acylcarnitine translocase. CPT I is the key enzyme in the carnitine-dependent transport across the mitochondrial inner membrane and its deficiency results in a decreased rate of fatty acid beta-oxidation.
Product Categories/Family for anti-CPT1A antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Rasmussen, B.B., et al., J. Clin. Invest. 110(11):1687-1693 (2002). Ogawa, E., et al., J. Hum. Genet. 47(7):342-347 (2002). Cook, G.A., et al., Am. J. Med. Sci. 318(1):43-48 (1999). IJlst, L., et al., J. Clin. Invest. 102(3):527-531 (1998). Britton, C.H., et al., Genomics 40(1):209-211 (1997).

NCBI AND UNIPROT INFORMATION

NCBI GI #	73623028
NCBI GeneID	1374
NCBI Accession #	NP_001027017.1; NP_001867.2
NCBI GenBank Nucleotide #	NM_001031847.2
UniProt Accession #	P50416; Q8TCU0; Q9BWK0
Molecular Weight	88368
NCBI Official Full Name	carnitine O-palmitoyltransferase 1, liver isoform isoform 2
NCBI Official Synonym Full Names	carnitine palmitoyltransferase 1A (liver)
NCBI Official Symbol	CPT1A
NCBI Official Synonym Symbols	CPT1; CPT1-L; L-CPT1
NCBI Protein Information	carnitine O-palmitoyltransferase 1, liver isoform
UniProt Protein Name	Carnitine O-palmitoyltransferase 1, liver isoform
UniProt Gene Name	CPT1A
UniProt Synonym Gene Names	CPT1; CPT1-L; CPT I; CPTI-L

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/cpt1a-antibody-western-blot-immunohistochemistry-elisa/288274>