

Rabbit CPT2/CPT1 Polyclonal Antibody | anti-CPT2 antibody

Anti-CPT2/CPT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125441	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

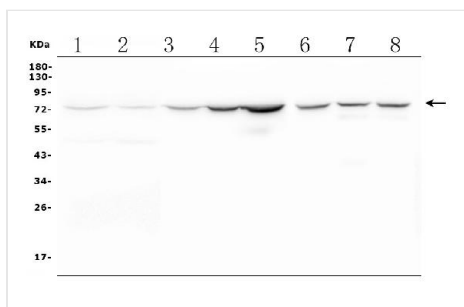
PRODUCT SYNONYMS

CPT2/CPT1; Polyclonal Antibody; Anti-CPT2/CPT1 Antibody; Carnitine O-palmitoyltransferase 2; mitochondrial; Carnitine palmitoyltransferase II; CPT II; CPT2; CPT1; anti-CPT2 antibody

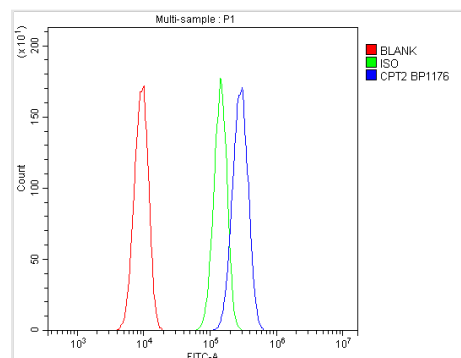
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	658
Applicable Applications for anti-CPT2 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E Coli-derived human CPT2/CPT1 recombinant protein (Position: Q33-D646).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-CPT2 antibody	Description: Rabbit IgG polyclonal antibody for CPT2/CPT detection. Tested with WB, FCM, Direct ELISA in Human; Mouse; Rat. Background: Carnitine O-palmitoyltransferase 2, mitochondrial is an enzyme that in humans is encoded by the CPT2 gene. It is mapped to 1p32.3. The protein encoded by this gene is a nuclear protein which is transported to the mitochondrial inner membrane. Together with carnitine palmitoyltransferase I, the encoded protein oxidizes long-chain fatty acids in the mitochondria. Defects in this gene are associated with mitochondrial long-chain fatty-acid (LCFA) oxidation disorders.
References	1. Bonnefont JP, Demaugre F, Prip-Buus C, Saudubray JM, Brivet M, Abadi N, Thuillier L (2000). "Carnitine palmitoyltransferase deficiencies". Mol. Genet. Metab. 68 (4): 424-440. 2. van der Leij FR, Huijkman NC, Boomsma C, Kuipers JR, Bartelds B (2000). "Genomics of the human carnitine acyltransferase genes". Mol. Genet. Metab. 71 (1-2): 139-153. 3. Sigauke E, Rakheja D, Kitson K, Bennett MJ (2003). "Carnitine palmitoyltransferase II deficiency: a clinical, biochemical, and molecular review". Lab. Invest. 83 (11): 1543-1554.

NCBI AND UNIPROT INFORMATION

NCBI GI #	416836
NCBI GeneID	1376
UniProt Accession #	P23786
NCBI Official Full Name	Carnitine O-palmitoyltransferase 2, mitochondrial
NCBI Official Synonym Full Names	carnitine palmitoyltransferase 2
NCBI Official Symbol	CPT2
NCBI Official Synonym Symbols	CPT1; IIAE4; CPTASE
NCBI Protein Information	carnitine O-palmitoyltransferase 2, mitochondrial
UniProt Protein Name	Carnitine O-palmitoyltransferase 2, mitochondrial
UniProt Gene Name	CPT2
UniProt Synonym Gene Names	CPT1; CPT II
UniProt Entry Name	CPT2_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cpt2-cpt1-antibody-direct-elisa-flow-cytometry-western-blot-elisa/125441>