

Rabbit anti-Human CPT1A Monoclonal Antibody | anti-CPT1A antibody

[KD Validated] CPT1A Rabbit mAb

CATALOG # AAA282963	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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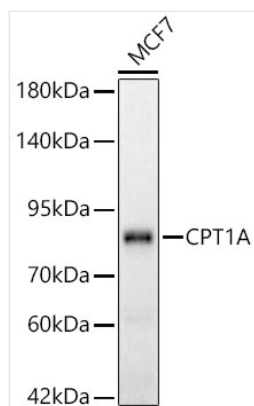
PRODUCT SYNONYMS

CPT1A; Monoclonal Antibody; [KD Validated] CPT1A Rabbit mAb; CPT1; CPT1-L; L-CPT1; anti-CPT1A antibody

PRODUCT SPECIFICATIONS

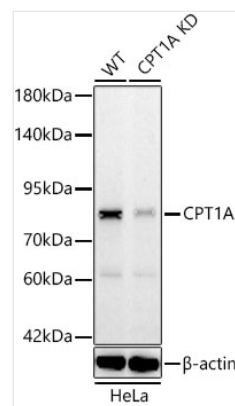
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	WDIPGECQEV IETSLNTANL LANDVDFHSF PFVAFGKGII KKCRTSPDAF VQLALQLAHY KDMGKFCLTY EASMTRLFRE GRTETVRSC TESCDFVRAM VDPAQTVEQR LKLFKLASEK HQHMYRLAMT GSGIDRHLFC LYVWSKYLA V ESPFLKEVLS EPWRLSTSQT PQQQVELFDL ENNPEYVSSG GGFGPVADDG Y
Applicable Applications for anti-CPT1A antibody	ELISA, WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 520-720 of human CPT1A (NP_001867.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from MCF7 cells using [KD Validated] CPT1A Rabbit mAb (AAA282963) at 1:1000 dilution incubated overnight at 4?.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25 ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 45s.



WB (Western Blot)

Western blot analysis of lysates from wild type (WT) and CPT1A knockdown (KD) HeLa cells using [KD Validated] CPT1A Rabbit mAb (AAA282963) at 1:1000 dilution incubated overnight at 4?.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25 ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 45s.

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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-CPT1A antibody	Cancer; Signal Transduction; Endocrine Metabolism; Mitochondrial metabolism; Mitochondrial markers; Lipid Metabolism; AMPK Signaling Pathway; Endocrine and metabolic diseases; Obesity; Cardiovascular; Lipids; Fatty Acids; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	73623028
NCBI GeneID	1374
NCBI Accession #	NP_001027017.1
NCBI GenBank Nucleotide #	NM_001031847.2
UniProt Accession #	P50416; Q8TCU0; Q9BWK0
Molecular Weight	Calculated MW: 88kDa Observed MW: 88kDa/
UniProt Protein Name	Carnitine O-palmitoyltransferase 1, liver isoform
UniProt Gene Name	CPT1A
UniProt Synonym Gene Names	CPT1; CPT1-L; CPT I; CPTI-L
UniProt Entry Name	CPT1A_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://www.aaabiotech.com/monoclonal/cpt1a-antibody-western-blot-elisa/282963>