

Rabbit anti-Human, Mouse CPT1A Polyclonal Antibody | anti-CPT1A antibody

CPT1A Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA37598	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

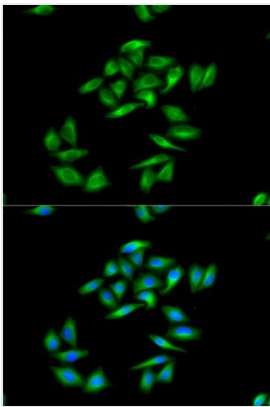
PRODUCT SYNONYMS

CPT1A; Polyclonal Antibody; CPT1A Polyclonal Antibody; CPT1; CPT1-L; L-CPT1; anti-CPT1A antibody

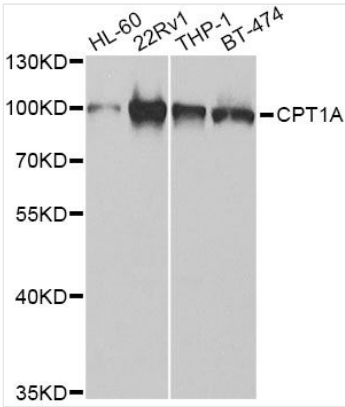
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.09% Sodium azide,50% glycerol,pH7.3.
Concentration	1mg/ml (varies by lot)
Sequence Length	773
Applicable Applications for anti-CPT1A antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human CPT1A
Calculated Molecular Weight	88kDa
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of MCF-7 cells using CPT1A antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using CPT1A Antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit.

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	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	56405343
NCBI GeneID	1374
UniProt Accession #	P50416; Q8TCU0; Q9BWK0
Molecular Weight	773
NCBI Official Full Name	Carnitine O-palmitoyltransferase 1, liver isoform
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; CPT I; CPTI-L; carnitine palmitoyltransferase I, liver; carnitine O-palmitoyltransferase I, 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
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.

