

Datasheet for ABIN6945103

anti-CPT1A antibody (AA 351-450) (HRP)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	CPT1A
Binding Specificity:	AA 351-450
Reactivity:	Mouse, Rat, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPT1A antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CPT1A
Isotype:	IgG
Cross-Reactivity:	Mouse, Pig, Rat
Predicted Reactivity:	Human,Dog,Cow,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	CPT1A
Alternative Name:	CPT1A (CPT1A Products)
Background:	Synonyms: CPT 1, CPT1A, CPTI-L, CPT1-L, carnitine palmitoyl transferase 1, Carnitine O-

Target Details

palmitoyltransferase 1, liver isoform, CPT I, Carnitine palmitoyltransferase 1A, carnitine O-palmitoyltransferase 1, liver isoform isoform 1, CPT1A_HUMAN.

Background: 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. [provided by RefSeq, Jul 2008].

Gene ID: 1374

UniProt: [P50416](#)

Pathways: [AMPK Signaling](#), [Regulation of Lipid Metabolism by PPARalpha](#), [Feeding Behaviour](#), [Monocarboxylic Acid Catabolic Process](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months