

Datasheet for ABIN7436009
anti-CPT1A antibody (AA 568-773)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	CPT1A
Binding Specificity:	AA 568-773
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CPT1A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Carnitine Palmitoyltransferase 1A, Liver (CPT1A)
Immunogen:	Recombinant Carnitine Palmitoyltransferase 1A, Liver (CPT1A) corresponding to Ala568~Lys773 with N-terminal His and GST Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against CPT1A. It has been selected for its ability to recognize CPT1A in immunohistochemical staining and western blotting.
Cross-Reactivity:	Human, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

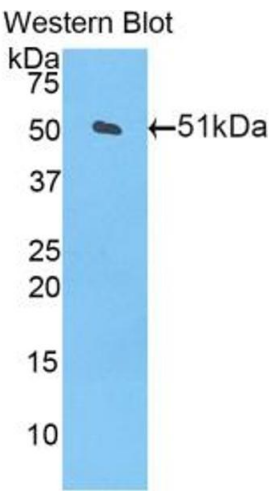
Target:	CPT1A
Alternative Name:	Carnitine Palmitoyltransferase 1A, Liver (CPT1A Products)
Background:	CPT1-L, Carnitine O-palmitoyltransferase I, liver isoform
Pathways:	AMPK Signaling , Regulation of Lipid Metabolism by PPARalpha , Feeding Behaviour , Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 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:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



Western Blotting

Image 1. Detection of Recombinant CPT1A, Mouse using Polyclonal Antibody to Carnitine Palmitoyltransferase 1A, Liver (CPT1A)