



## Goat anti-Cpt1a (mouse) Antibody

<b>Item Number</b>	dAP-1637
<b>Target Molecule</b>	Principle Name: Cpt1a (mouse); Official Symbol: Cpt1a; All Names and Symbols: Cpt1a; carnitine palmitoyltransferase 1A, liver; CPT1; CPT1-L; L-CPT1; C730027G07; carnitine palmitoyltransferase 1A; carnitine palmitoyltransferase 1, liver; Accession Number (s): NP_038523.2; Human Gene ID(s) ; Non-Human GeneID(s): 12894 (mouse) 25757 (rat)
<b>Immunogen</b>	PETDSHRFGKHLRQ, is from C Terminus
<b>Applications</b>	Pep ELISA Species Tested:
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 32000.
<b>Western Blot</b>	Western Blot: Preliminary experiments gave next to a 90kDa band additional bands at approx. 37kDa and 25kDa in Mouse and Rat Liver lysates after 0.3µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for t
<b>IHC</b>	
<b>Reference</b>	Reference(s): Mazzarelli P, Pucci S, Bonanno E, Sesti F, Calvani M, Spagnoli LG. Carnitine palmitoyltransferase I in human carcinomas: a novel role in histone deacetylation? Cancer Biol Ther. 2007 Oct;6(10):1606-13..PMID: 18253084->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**