

Goat anti-CPT1C Antibody

Item Number	dAP-1793
Target Molecule	Principle Name: CPT1C; Official Symbol: CPT1C; All Names and Symbols: CPT1C; carnitine palmitoyltransferase 1C; CATAL1; CPT1P; CPTIC; FLJ23809; CPT1-like pseudogene; carnitine acyltransferase-like protein 1; carnitine palmitoyltransferase I related C; Accession Number (s): NP_689572.1; NP_001129524.1; Human Gene ID(s): 126129; Non-Human GeneID(s):
Immunogen	KSSTKTDSHRLGQH, is from internal region This antibody is expected to recognise both reported isoforms (NP_689572.1; NP_001129524.1). Reported variants represent identical protein (NP_001186681.1; NP_001186682.1; NP_689572.1).
Applications	Pep ELISA, WB, IHC
	Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 8000.
Western Blot	Western Blot: Approx. 100kDa band observed in Human Brain (Frontal Cortex) lysates (calculated MW of 91.0kDa according to NP_689572.1). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour.
IHC	Immunohistochemistry: Paraffin embedded Human Testis. Recommended concentration: 3.75µg/ml.
Reference	Reference(s): Sierra AY, Gratacós E, Carrasco P, Clotet J, Ureña J, Serra D, Asins G, Hegardt FG, Casals N. CPT1c is localized in endoplasmic reticulum of neurons and has carnitine palmitoyltransferase activity. J Biol Chem. 2008 Mar 14;283(11):6878-85. Epub 2008 Jan 11.. PMID: 18192268->

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 end users! This product is sold for **Research Use Only**