

Goat anti-CPT2 (aa141-154) Antibody

Item Number	dAP-2124
Target Molecule	Principle Name: CPT2 (aa141-154); Official Symbol: CPT2; All Names and Symbols: CPT2; carnitine palmitoyltransferase II; CPT1; CPTASE; OTTHUMP00000010493; carnitine O-palmitoyltransferase; Accession Number (s): NP_000089.1; Human Gene ID(s): 1376; Non-Human GeneID(s):
Immunogen	PKSEYNDQLTRATN, is from internal region
Applications	Pep ELISA, WB Species Tested: Human, Mouse
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 70kDa band observed in Human and Mouse Liver lysates (calculated MW of 73.8kDa according to Human NP_000089.1 and of 74.0kDa according to Mouse NP_034079.2). Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temp
IHC	
Reference	Reference(s): Isackson PJ, Bennett MJ, Licher-Konecki U, Willis M, Nyhan WL, Sutton VR, Tein I, Vladutiu GD, CPT2 gene mutations resulting in lethal neonatal or severe infantile carnitine palmitoyltransferase II deficiency. Molecular genetics and metabolism 2008 Aug 94 (4): 422-7..PMID: 18550408->

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**