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# EB09736 - Goat Anti-CPT2 (aa141-154) Antibody

Size: 100µg specific antibody in 200µl



## **Target Protein**

Principal Names: CPT2, carnitine palmitoyltransferase II, CPT1, CPTASE,

OTTHUMP0000010493, carnitine O-palmitoyltransferase

Official Symbol: CPT2

Accession Number(s): NP\_000089.1

Human GeneID(s): 1376

## **Immunogen**

Peptide with sequence C-PKSEYNDQLTRATN, from the internal region of the protein sequence according to NP\_000089.1.

Please note the peptide is available for sale.

# **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

## **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:16000.

Western blot: Approx 75kDa band observed in Rat Heart and in Mouse Liver lysates and approx 70-75kDa doublet in Human Liver lysates (calculated MW of 73.8kDa according to Human NP\_000089.1 and 74.0kDa according to Mouse NP\_034079.2 and Rat NP\_037062.1) An additional band of unknown identity was consistently observed at 25-27kDa in some Mouse and in Human Liver lysates and was successfully blocked by incubation with the immunizing peptide. Recommended concentration: 1-3μg/ml. Primary incubation 1 hour at room temperature.

#### **Species Reactivity**

Tested: Human, Mouse, Rat

Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow, Pig



EB09736 (2μg/ml) staining of Human Liver (A), Mouse Liver (B) and (1ug/ml) on Rat Heart (C) lysate (35μg protein in RIPA buffer). Detected by Chemiluminescence.