



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

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

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** CPT2, carnitine palmitoyltransferase II, CPT1, CPTASE, OTTHUMP00000010493, 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

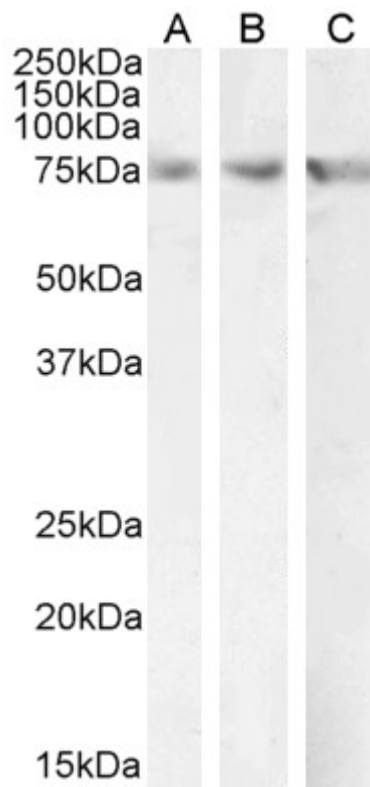
**Peptide ELISA:** antibody detection limit dilution 1:16000.

**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 (2 $\mu$ g/ml) staining of Human Liver (A), Mouse Liver (B) and (1 $\mu$ g/ml) on Rat Heart (C) lysate (35 $\mu$ g protein in RIPA buffer). Detected by Chemiluminescence.