

#### **International Office**

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Research Use Only. Not for diagnostic or therapeutic use.

# EB07419 - Goat Anti-CPT1A Antibody

Size: 100µg specific antibody in 200µl



### **Target Protein**

**Principal Names:** CPT1A, carnitine palmitoyltransferase 1A (liver), CPT1, CPT1-L, L-CPT1, carnitine palmitoyltransferase 1A, carnitine palmitoyltransferase I, carnitine

palmitoyltransferase I, liver **Official Symbol:** CPT1A

Accession Number(s): NP\_001867.2; NP\_001027017.1

Human GeneID(s): 1374

Important Comments: This antibody is expected to recognize both reported isoforms

(NP\_001867.2; NP\_001027017.1) but is not expected to recognise CPT1B.

### Immunogen

Peptide with sequence C-DPAQTVEQRLKLFK, from the internal region of the protein sequence according to NP\_001867.2; NP\_001027017.1.

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 1:128000.

Western blot: Approx 80-85kDa band observed in lysates of cell line MCF7 (calculated MW of 86.2kDa according to NP\_001027017.1). Recommended concentration: 1-3μg/ml.

Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Liver. Recommended concentration: 5-7µg/ml.

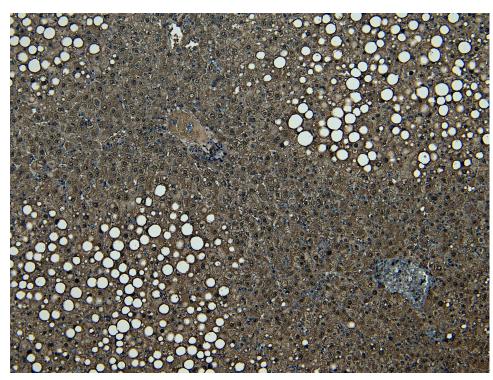
## **Species Reactivity**

Tested: Human

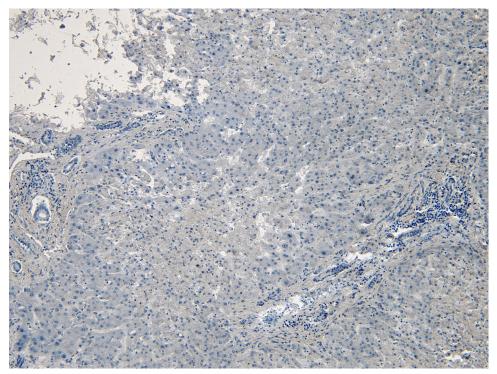
Expected from sequence similarity: Human



 $EB07419\ (2\mu g/ml)\ staining\ of\ MCF7\ cell\ lysate\ (35\mu g\ protein\ in\ RIPA\ buffer).\ Detected\ by\ chemiluminescence.$ 



EB07419 ( $5\mu g/ml$ ) staining of paraffin embedded Human Liver. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB07419 Negative Control showing staining of paraffin embedded Human Liver, with no primary antibody.