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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 (2µg/ml) staining of MCF7 cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07419 (5µg/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.