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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: 1-3 μ g/ml.

Primary incubation 1 hour at room temperature.

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

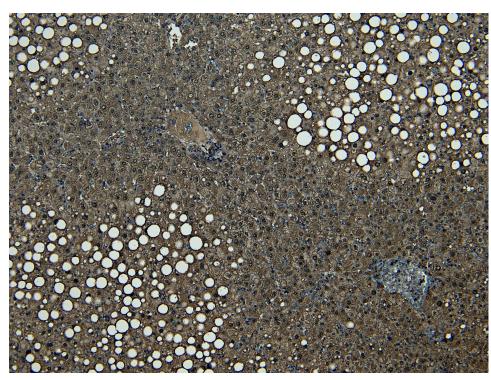
Species Reactivity

Tested: Human

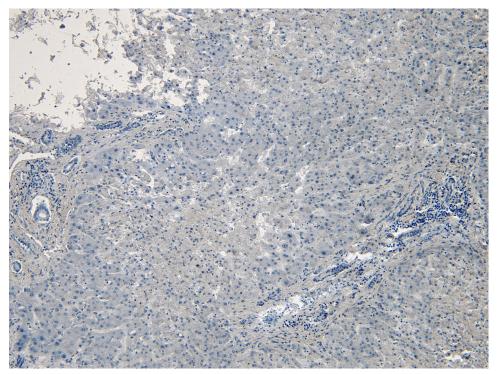
Expected from sequence similarity: Human



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



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.