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EB12836 - Goat Anti-CPN10 / HSPE1 (aa74-86) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: HSPE1, heat shock 10kDa protein 1, CPN10, EPF, GROES, HSP10, 10 kDa chaperonin, 10 kDa heat shock protein, mitochondrial, chaperonin 10, early-pregnancy factor, heat shock 10kD protein 1 (chaperonin 10)
Official Symbol: HSPE1
Accession Number(s): NP_002148.1
Human GeneID(s): 3336
Non-Human GeneID(s): 15528 (mouse)

Immunogen

Peptide with sequence C-PEYGGTKVVLDDK, from the internal region of the protein sequence according to NP_002148.1.

Please note the peptide is available for sale.

Purification and Storage

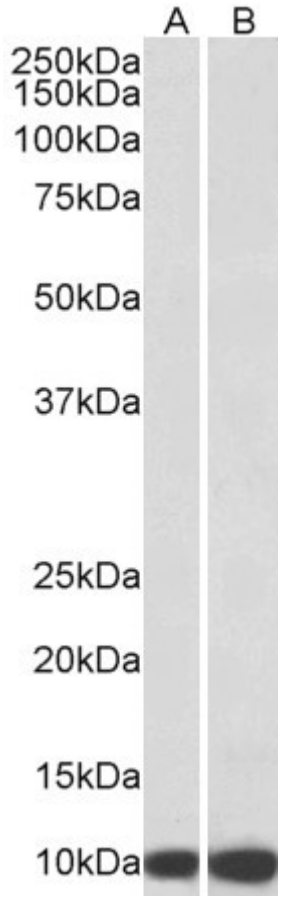
Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

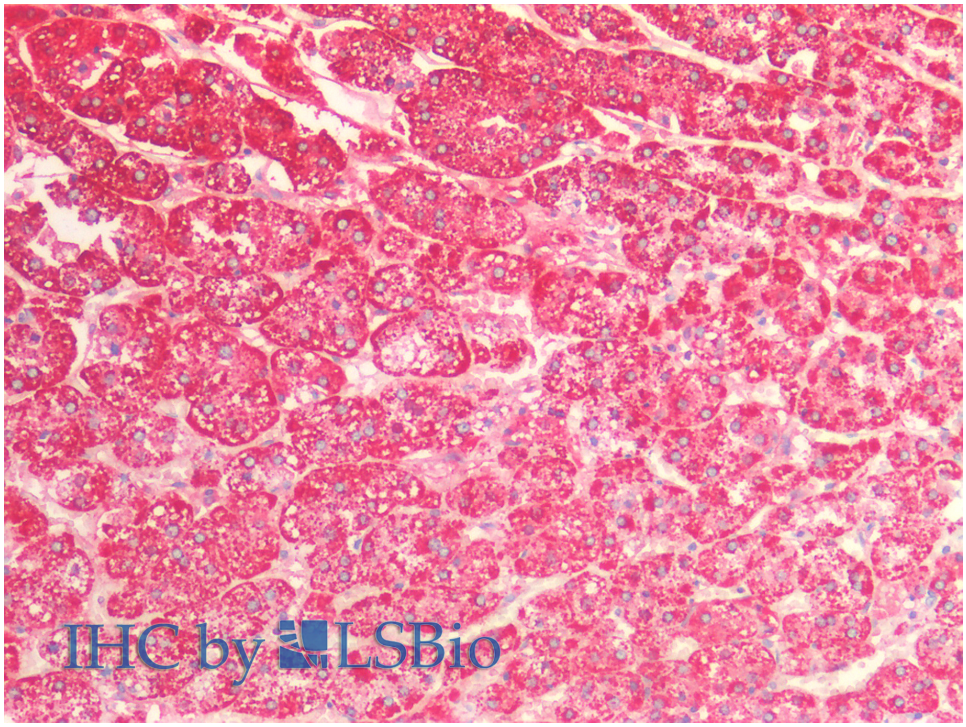
Peptide ELISA: antibody detection limit dilution 1:128000.
Western blot: Approx 10kDa band observed in lysates of cell lines HeLa and HepG2 (calculated MW of 10.9kDa according to NP_002148.1). Recommended concentration: 0.1-0.3µg/ml.
IHC: Paraffin embedded Human Adrenal Gland. Recommended concentration: 5µg/ml.

Species Reactivity

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



EB12836 (0.3µg/ml) staining of HeLa (A) and HepG2 (B) lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB12836 (5µg/ml) staining of paraffin embedded Human Adrenal Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.