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Research Use Only. Not for diagnostic or therapeutic use.

EB12835 - Goat Anti-CPN10 / HSPE1 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, 100529241

Non-Human GenelD(s): 15528 (mouse), 25462 (rat)

Immunogen

Peptide with sequence C-PEKSQGKVLQAT, 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 line HepG2 (calculated MW of 10.9kDa according to NP_002148.1). Recommended concentration: 0.01-0.03μg/ml. **IHC:** Paraffin embedded Human Liver. Recommended concentration: 5μg/ml.

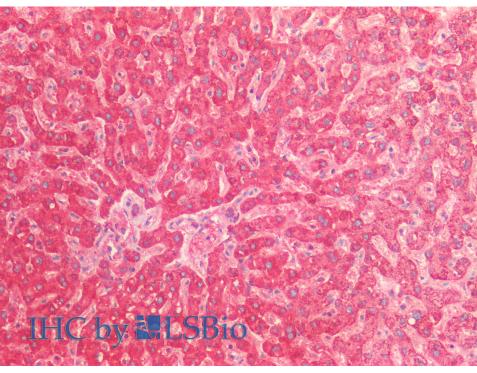
Species Reactivity

Tested: Human

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



EB12835 ($0.01\mu g/ml$) staining of HepG2 lysate ($35\mu g$ protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB12835 ($5\mu g/ml$) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer Ph 6, AP-staining.