EB07768 - Goat Anti-CLPB Antibody

Size: 100µg specific antibody in 200µl

International Office

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Target Protein

Principal Names: CLPB, ClpB caseinolytic peptidase B homolog (E. coli), FLJ13152, HSP78, SKD3, suppressor of potassium transport defect 3
Official Symbol: CLPB
Accession Number(s): NP_110440.1
Human GeneID(s): 81570

Immunogen

Peptide with sequence C-DKDSKTRRLDIRAP, from the C Terminus of the protein sequence according to NP_110440.1.

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 1:32000.
Western blot: Preliminary experiments gave bands at approx 50kDa and 48kDa in lysates of HeLa and HepG2 after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 78.7kDa according to NP_110440.1. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Species Reactivity

Tested:
Expected from sequence similarity: Human