

**Research Use Only. Not for
diagnostic or therapeutic use.**

Storage: For long-term storage
keep aliquots at -20°C. (Store no
longer than 12 months at 4°C).
Minimize freezing and thawing.

EB05873 - Goat Anti-CLPP Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: caseinolytic peptidase, ATP-dependent, proteolytic subunit, ClpP caseinolytic protease, ATP-dependent, proteolytic subunit homolog, ATP-dependent protease ClpAP, proteolytic subunit, human, ClpP caseinolytic peptidase, ATP-dependent, proteolytic subunit homolog (E. coli), ClpP (caseinolytic protease, ATP-dependent, proteolytic subunit, E. coli) homolog, ATP-dependent protease ClpAP (E. coli), proteolytic subunit, human, ATP-dependent proteolytic subunit E.coli homolog, ClpP caseinolytic protease, ATP-dependent, proteolytic subunit homolog (E. coli), CLPP

Official Symbol: CLPP

Accession Number(s): NP_006003.1

Human GeneID(s): [8192](#)

Immunogen

Peptide with sequence C-EAAPAAEPVPAST, from the C Terminus of the protein sequence according to NP_006003.1.

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 1:64000.

Western blot: Approx 27-30kDa band observed in human heart and skeletal muscle lysates (predicted MW of 32kDa according to NP_006003). Recommended for use at 1-3µg/ml.

IHC: In paraffin embedded Human Liver shows patterned staining of hepatocyte cytoplasm. Recommended concentration, 2-4µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human

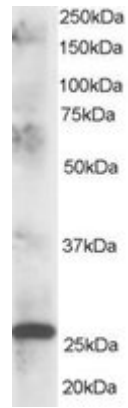
Background Reference

Bross P, Andresen BS, Knudsen I, Kruse TA, Gregersen N.

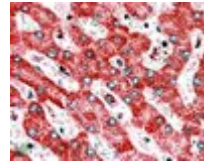
Human ClpP protease: cDNA sequence, tissue-specific expression and chromosomal assignment of the gene.

FEBS Lett. 1995 Dec 18;377(2):249-52.

PMID: 8543061



EB05873 staining (1 μ g/ml) of human muscle lysate (RIPA buffer, 35 μ g total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



EB05873 (2.5 μ g/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.