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EB12461 - Goat Anti-ATP5C1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ATP5C1, ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1, ATP5C, ATP5CL1, ATP synthase gamma chain, mitochondrial, ATP synthase subunit gamma, mitochondrial, F-ATPase gamma subunit, mitochondrial

ATP synthase, gamma subunit 1 **Official Symbol:** ATP5C1

Accession Number(s): NP_005165.1; NP_001001973.1

Human GeneID(s): 509

Non-Human GenelD(s): 11949 (mouse), 116550 (rat)

Important Comments: This antibody is expected to recognize both reported isoforms

(NP_005165.1; NP_001001973.1).

Immunogen

Peptide with sequence C-TLTFNRTRQAVITKE, from the C Terminus of the protein sequence according to NP_005165.1; NP_001001973.1.

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 33kDa band observed in Human Heart and in Rat Heart lysates (calculated MW of 32.9kDa according to NP_005165.1). Recommended concentration: 0.01-0.03µg/ml.

IHC: Paraffin embedded Human Heart. Recommended concentration: 5µg/ml.

Species Reactivity

Tested: Human, Rat

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

250kDa 150kDa 100kDa 75kDa

50kDa

37kDa

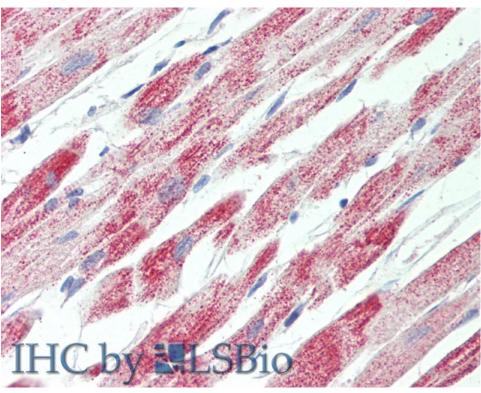
25kDa

20kDa

15kDa

EB12461 (0.01µg/ml) staining of Rat Heart lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.

Detected by chemiluminescence.



EB12461 (5μg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.