

## UK Office

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

## EB12461 - Goat Anti-ATP5C1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ATP5C1, ATP synthase, H<sup>+</sup> 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 GeneID(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.

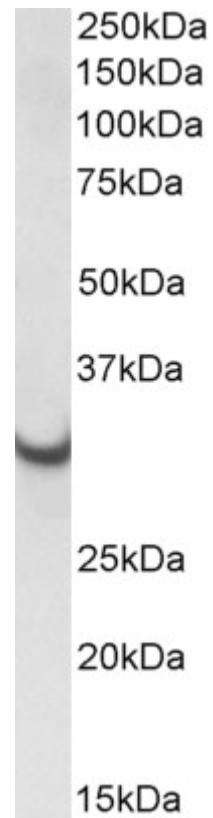
**Western blot:** Approx 33kDa band observed in Human Heart and in Rat Heart lysates (calculated MW of 32.9kDa according to NP\_005165.1). Recommended concentration: 0.01-0.03µg/ml.

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

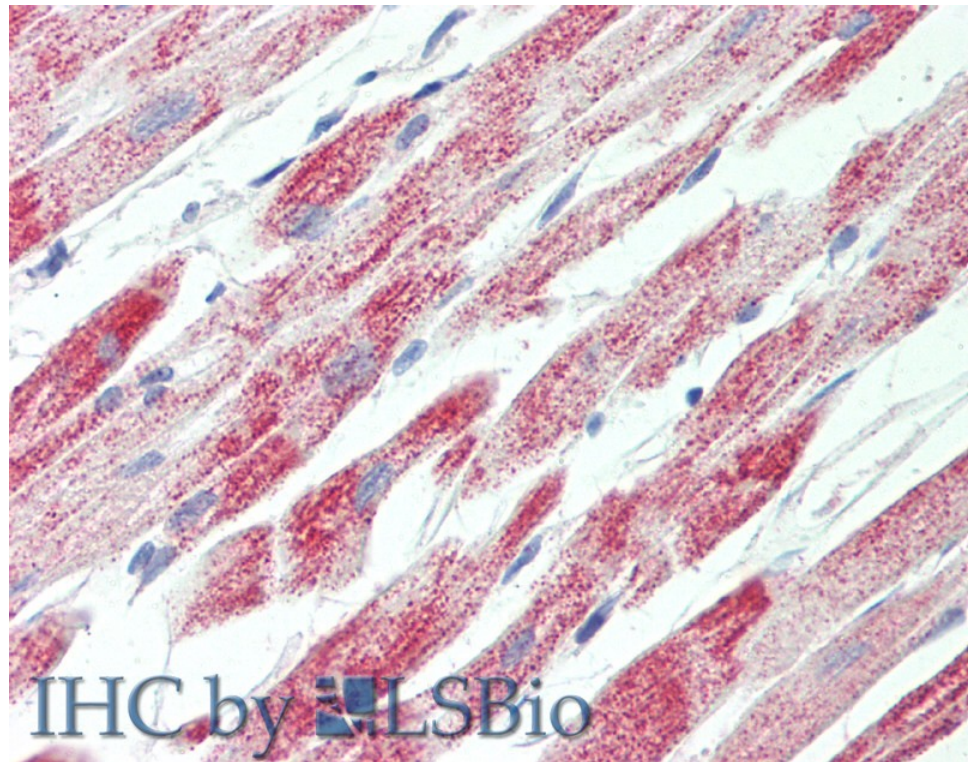
### Species Reactivity

**Tested:** Human, Rat

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



EB12461 (0.01 $\mu$ g/ml) staining of Rat Heart lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



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