



## International Office

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

## EB12464 - Goat Anti-ATP5F1 (aa142-153) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ATP5F1, ATP synthase, H<sup>+</sup> transporting, mitochondrial Fo complex, subunit B1, PIG47, ATP synthase B chain, mitochondrial, ATP synthase subunit b, mitochondrial, ATP synthase, H<sup>+</sup> transporting, mitochondrial F0 complex, subunit B1, ATP synthase, H<sup>+</sup> transport

**Official Symbol:** ATP5F1

**Accession Number(s):** NP\_001679.2

**Human GeneID(s):** [515](#)

### Immunogen

Peptide with sequence C-SIQHIQNAIDTE, from the internal region of the protein sequence according to NP\_001679.2.

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.

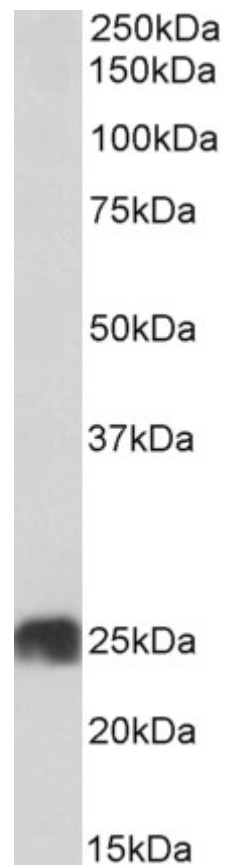
**Western blot:** Approx 25kDa band observed in Human Heart lysates (calculated MW of 28.9kDa according to NP\_001679.2). This molecular weight is routinely observed by other sources. Recommended concentration: 0.03-0.1µg/ml. Primary incubation was 1 hour.

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

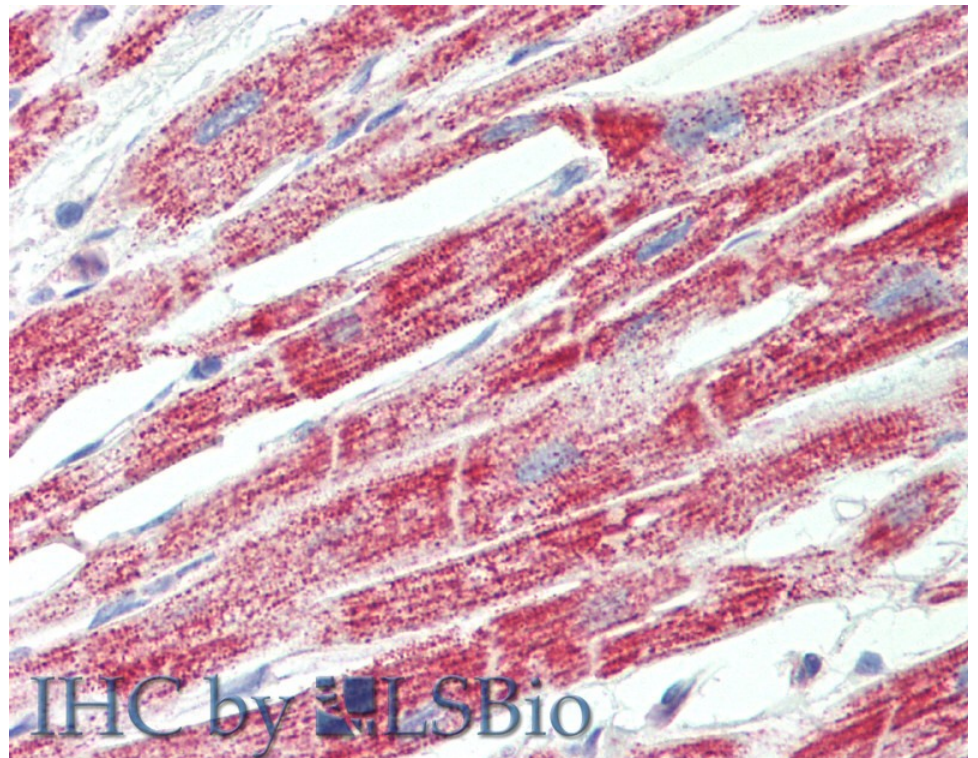
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB12464 (0.03 $\mu$ g/ml) staining of Human Heart lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB12464 (5 $\mu$ g/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.