



## International Office

### Everest Biotech Ltd

Vector Laboratories, Inc.  
6737 Mowry Ave  
Newark, CA 94560  
United States

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

[www.everestbiotech.com](http://www.everestbiotech.com)

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

## EB12459 - Goat Anti-ATP5B (aa15162) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ATP5B, ATP synthase, H<sup>+</sup> transporting, mitochondrial F1 complex, beta polypeptide, ATPMB, ATPSB, ATP synthase subunit beta, mitochondrial, mitochondrial ATP synthase beta subunit, mitochondrial ATP synthetase, beta subunit

**Official Symbol:** ATP5B

**Accession Number(s):** NP\_001677.2

**Human GeneID(s):** [506](#)

**Non-Human GeneID(s):** 11947 (mouse), 171374 (rat)

### Immunogen

Peptide with sequence C-EPIDERGPIKTKQ, from the internal region of the protein sequence according to NP\_001677.2.

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

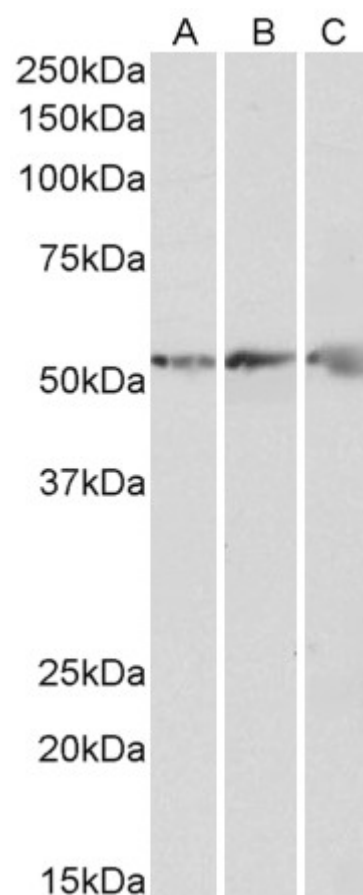
**Peptide ELISA:** antibody detection limit dilution 1:4000.

**Western blot:** Approx 55kDa band observed in Human, Mouse, Rat and Pig Heart lysates (calculated MW of 56.6kDa according to NP\_001677.2). Recommended concentration: 0.3-1µg/ml.

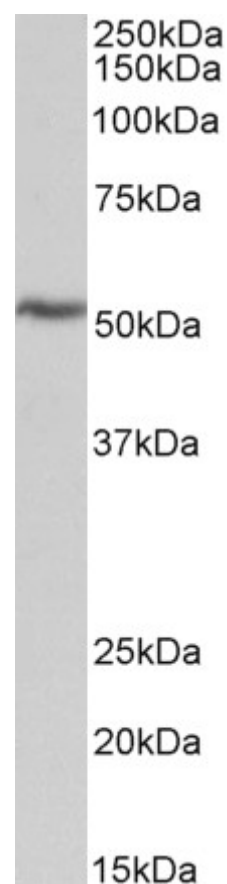
### Species Reactivity

**Tested:** Human, Mouse, Rat, Pig

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



EB12459 (0.3 $\mu$ g/ml) staining of Human (A), Mouse (B) and Rat (C) Heart lysates (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB12459 (0.3µg/ml) staining of Pig Heart lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.