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EB12459 - Goat Anti-ATP5B (aa15162) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: ATP5B, ATP synthase, H+ 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

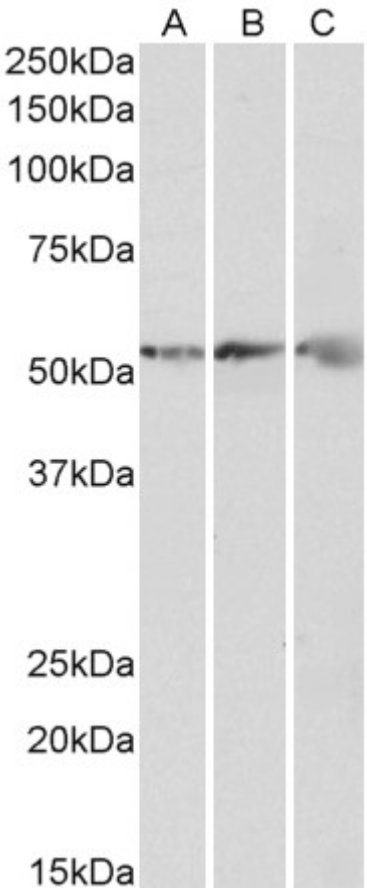
Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

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 (0.3µg/ml) staining of Human (A), Mouse (B) and Rat (C) Heart lysates (35µg 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.