

Goat anti-ATP5B (aa15162) Antibody

Item Number	dAP-3093
Target Molecule	Principle Name: ATP5B (aa15162); Official Symbol: ATP5B; All Names and Symbols: 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; Accession Number (s): NP_001677.2; Human Gene ID(s): 506; Non-Human GeneID(s): 11947 (mouse) 171374 (rat)
Immunogen	EPIDERGPIKTKQ, is from internal region
Applications	Pep ELISA, WB Species Tested: Human, Mouse, Rat, Pig
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 4000.
Western Blot	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.
IHC	
Reference	Reference(s): Yavlovich A, Viard M, Zhou M, Veenstra TD, Wang JM, Gong W, Heldman E, Blumenthal R, Raviv Y. Ectopic ATP synthase facilitates transfer of HIV-1 from antigen-presenting cells to CD4(+) target cells. Blood 2012 Aug 120 (6): 1246-53..PMID: 22753871->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**