

Goat anti-ATP5B (aa15162) Antibody

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| 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 | EPIDERGPPIKTKQ, 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. <i>Blood</i> 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 end users! This product is sold for **Research Use Only**