

## Goat anti-ATP5C1 (aa27-40) Antibody

<b>Item Number</b>	dAP-3116
<b>Target Molecule</b>	Principle Name: ATP5C1 (aa27-40); Official Symbol: ATP5C1; All Names and Symbols: ATP5C1; ATP synthase, H <sup>+</sup> transporting, mitochondrial F1 complex, gamma polypeptide 1; ATP5C; ATP5CL1; ATP synthase gamma chain, mitochondrial; ATP synthase subunit gamma, mitochondrial; F-ATPase gamma subunit; mitochondrial ATP synthase, gamma subunit 1; Accession Number (s): NP_005165.1; NP_001001973.1; Human Gene ID(s): 509; Non-Human GeneID(s): 11949 (mouse) 116550 (rat)
<b>Immunogen</b>	TLKDITRRLKSIKN, is from internal region (near N terminus) The immunizing peptide represents the N terminus of the mature protein. This antibody is expected to recognize both reported isoforms (NP_005165.1; NP_001001973.1).
<b>Applications</b>	Pep ELISA, WB  Species Tested: Rat
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 128000.
<b>Western Blot</b>	Western Blot: Approx 30kDa band observed in Rat Skeletal Muscle lysates (calculated MW of 33.0kDa according to Rat NP_446277.1). Recommended concentration: 0.1-0.3µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Itoh H, Takahashi A, Adachi K, Noji H, Yasuda R, Yoshida M, Kinoshita K. Mechanically driven ATP synthesis by F1-ATPase. Nature 2004 Jan 427 (6973): 465-8..PMID: 14749837->

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**