

Goat anti-ATP5C1 (aa27-40) Antibody

Item Number	dAP-3116
Target Molecule	Principle Name: ATP5C1 (aa27-40); Official Symbol: ATP5C1; All Names and Symbols: ATP5C1; ATP synthase, H ⁺ 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)
Immunogen	TLKDTIRRLKSIKN, 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).
Applications	Pep ELISA, WB Species Tested: Rat
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 128000.
Western Blot	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.
IHC	
Reference	Reference(s): Itoh H, Takahashi A, Adachi K, Noji H, Yasuda R, Yoshida M, Kinoshita K. Mechanically driven ATP synthesis by F1-ATPase. <i>Nature</i> 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 end users! This product is sold for **Research Use Only**