



## Goat anti-Pyruvate Carboxylase Antibody

<b>Item Number</b>	dAP-1316
<b>Target Molecule</b>	Principle Name: Pyruvate Carboxylase; Official Symbol: PC; All Names and Symbols: PC; pyruvate carboxylase; PCB; Accession Number (s): NP_000911.2; NP_001035806.1; NP_071504.2; Human Gene ID(s): 5091; Non-Human GeneID(s): 18563 (mouse) 25104 (rat)
<b>Immunogen</b>	KFKEVKKAYVEANQ, is from internal region All reported variants (NP_000911.2; NP_001035806.1; NP_071504.2) represent identical protein.
<b>Applications</b>	Pep ELISA, WB, IHC  Species Tested: Human, Mouse
<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 16000.
<b>Western Blot</b>	Western Blot: Approx 150kDa band observed in Mouse Liver lysates (calculated MW of 130kDa according to NP_000911.2, NP_001035806.1 and NP_071504.2). Recommended concentration: 0.03-0.1µg/ml.
<b>IHC</b>	Immunohistochemistry: Paraffin embedded Human Liver. Recommended concentration: 5µg/ml.
<b>Reference</b>	Reference(s): St Maurice M, Reinhardt L, Surinya KH, Attwood PV, Wallace JC, Cleland WW, Rayment I. Domain architecture of pyruvate carboxylase, a biotin-dependent multifunctional enzyme. Science. 2007 Aug 24;317(5841):1076-9..PMID: 17717183 ->

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**