

Goat anti-PCK2 / PEPCK-M Antibody

Item Number	dAP-0731
Target Molecule	Principle Name: PCK2 / PEPCK-M; Official Symbol: PCK2; All Names and Symbols: PCK2; PEPCK-M; phosphoenolpyruvate carboxykinase 2 (mitochondrial); HGNC:8725; PEPCK; PEPCK2 ; PEP carboxykinase; mitochondrial phosphoenolpyruvate carboxykinase 2; phosphoenolpyruvate carboxylase; phosphopyruvate carboxylase; Accession Number (s): NP_004554.2; Human Gene ID(s): 5106; Non-Human GeneID (s):
Immunogen	KPWKPGDKEPCAH, is from internal region This antibody is expected to recognise isoform 1 (NP_004554) only, no cross-reactivity with PCK1.
Applications	Pep ELISA, WB Species Tested: Human
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 75kDa band observed in Human Liver lysates (calculated MW of 70.7kDa according to NP_004554.2). Recommended concentration: 2-4µg/ml.
IHC	
Reference	Reference(s): Duplus E, Benelli C, Reis AF, Fouque F, Velho G, Forest C. Expression of phosphoenolpyruvate carboxykinase gene in human adipose tissue: induction by rosiglitazone and genetic analyses of the adipocyte-specific region of the promoter in type 2 diabetes. Biochimie. 2003 Dec;85(12):1257-64. PMID: 14628030

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**