

## Goat anti-PCK2 / PEPCK-M Antibody

<b>Item Number</b>	dAP-0731
<b>Target Molecule</b>	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):
<b>Immunogen</b>	KPWKPGDKEPCAH, is from internal region This antibody is expected to recognise isoform 1 (NP_004554) only, no cross-reactivity with PCK1.
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human
<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 4000.
<b>Western Blot</b>	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.
<b>IHC</b>	
<b>Reference</b>	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:

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**