

## Goat anti-PCK1 / PEPCKC (internal) Antibody

<b>Item Number</b>	dAP-0782
<b>Target Molecule</b>	Principle Name: PCK1 / PEPCKC (internal); Official Symbol: PCK1; All Names and Symbols: PCK1; phosphoenolpyruvate carboxykinase 1 (soluble); HGNC:8724; MGC22652; PEPCK1; PEPCKC; PEP carboxykinase; cytosolic phosphoenolpyruvate carboxykinase 1; phosphoenolpyruvate carboxylase; phosphopyruvate carboxylase; PEPCK-C; Accession Number (s): NP_002582.3; Human Gene ID(s): 5105; Non-Human GeneID(s):
<b>Immunogen</b>	HVNWFRKDKEGK, is from internal region
<b>Applications</b>	Pep ELISA, IHC 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 8000.
<b>Western Blot</b>	Western Blot: Preliminary experiments gave bands at approx 70kDa, 45kDa and 28kDa in Human Adipose, Kidney and Liver lysates after 0.3 µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the additional
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Human Cerebral Cortex shows staining of cytoplasm in pyramidal cells. Recommended concentration, 2-4µg/ml.

**Reference** Reference(s): Yang Q, Graham TE, Mody N, Preitner F, Peroni OD, Zabolotny JM, Kotani K, Quadro L, Kahn BB. Serum retinol binding protein 4 contributes to insulin resistance in obesity and type 2 diabetes. Nature. 2005 Jul 21;436(7049):356-62. .PMID: 16034410 ->

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**