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Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB06943 - Goat Anti-PCK1 / PEPCKC (internal) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: PEPCK-C, phosphopyruvate carboxylase, phosphoenolpyruvate carboxylase, cytosolic phosphoenolpyruvate carboxykinase 1, PEP carboxykinase, PEPCKC, PEPCK1, MGC22652, HGNC:8724, phosphoenolpyruvate carboxykinase 1 (soluble), PCK1

Official Symbol: PCK1

Accession Number(s): NP_002582.3

Human GeneID(s): [5105](#)

Immunogen

Peptide with sequence C-HVNWFRKDKEGK, from the internal region of the protein sequence according to NP_002582.3.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:8000.

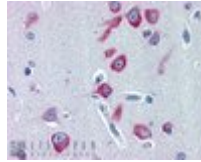
Western blot: Preliminary experiments gave bands at approx 70kDa, 45kDa and 28kDa in Human Adipose, Kidney and Liver lysates after 0.3 µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the additional bands we observe given the calculated size of 69.2 kDa according to NP_002582.2. All three detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

IHC: In paraffin embedded Human Cerebral Cortex shows staining of cytoplasm in pyramidal cells. Recommended concentration, 2-4µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow



EB06943 (2µg/ml) staining of paraffin embedded Human Cerebral Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.