

UK Office

Everest Biotech Ltd

Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

**Research Use Only. Not for
diagnostic or therapeutic use.**

EB06944 - Goat Anti-PCK2 / PEPCK-M Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: PCK2, PEPCK-M, phosphoenolpyruvate carboxykinase 2 (mitochondrial), HGNC:8725, PEPCK, PEPCK2, PEP carboxykinase, mitochondrial phosphoenolpyruvate carboxykinase 2, phosphoenolpyruvate carboxylase, phosphopyruvate carboxylase

Official Symbol: PCK2

Accession Number(s): NP_004554.2

Human GeneID(s): [5106](#)

Important Comments: This antibody is expected to recognise isoform 1 (NP_004554) only, no cross-reactivity with PCK1.

Immunogen

Peptide with sequence KPWKPGDKEPCAH, from the internal region of the protein sequence according to NP_004554.2.

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 1:4000.

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.

Species Reactivity

Tested: Human

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

Specific References

This antibody has been successfully used in WB and IF in Human:

Méndez-Lucas A, Hyrossová P, Novellasdemunt L, Viñals F, Perales JC.

Mitochondrial phosphoenolpyruvate carboxykinase (PEPCK-M) is

a pro-survival, endoplasmicreticulum (ER) stress response gene involved in tumor cell adaptation to
J Biol Chem. 2014 Aug 8;289(32):22090-102

PMID: 24973213

This antibody has been successfully used in WB in Mouse, Rat and Guinea Pig:

Méndez-Lucas A, Duarte JA, Sunny NE, Satapati S, He T, Fu X, Bermúdez J, Burgess SC, Perales JC.

PEPCK-M expression in mouse liver potentiates, not replaces, PEPCK-C mediated gluconeogenesis.

J Hepatol. 2013 Mar 4. doi:pii: S0168-8278(13)00142-6.

PMID: 23466304

EB06944 (2µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.
Detected by chemiluminescence.