

Rat Phosphoenolpyruvate carboxykinase, cytosolic [GTP] ELISA Kit | Pck1 elisa kit

Rat Phosphoenolpyruvate carboxykinase, cytosolic [GTP] ELISA Kit

CATALOG #
AAA192090

REACTIVITY
Rat

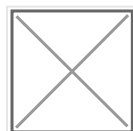
PRODUCT SYNONYMS

Phosphoenolpyruvate carboxykinase; cytosolic [GTP]; Rat Phosphoenolpyruvate carboxykinase; cytosolic [GTP] ELISA Kit; PEPCK-C; Phosphoenolpyruvate carboxylase; Pck1; 4.1.1.32; Pck1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat PEPCK-C. No significant cross-reactivity or interference was observed.
Sequence Length	622
Assay Type	Sandwich
Detection Range	0.312-20 ng/mL
Sensitivity	0.163 ng/mL
Intra-Assay CV	<=4.8%
Inter-Assay CV	<=8.5%
Recovery	103%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Pck1 elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat phosphoenolpyruvate carboxykinase, cytosolic [gtp], PEPCK-C concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PEPCK-C. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for PEPCK-C and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain PEPCK-C, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of PEPCK-C in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	38454296
NCBI GeneID	362282
NCBI Accession #	NP_942075.1
NCBI GenBank Nucleotide #	NM_198780.3
UniProt Accession #	P07379
Molecular Weight	69,416 Da
NCBI Official Full Name	phosphoenolpyruvate carboxykinase, cytosolic
NCBI Official Synonym Full Names	phosphoenolpyruvate carboxykinase 1 (soluble)
NCBI Official Symbol	Pck1
NCBI Official Synonym Symbols	GTP; PCK; Pepck; PEPCK-C; RATPEPCK
NCBI Protein Information	phosphoenolpyruvate carboxykinase, cytosolic [GTP]
UniProt Protein Name	Phosphoenolpyruvate carboxykinase, cytosolic [GTP]
UniProt Gene Name	Pck1
UniProt Synonym Gene Names	PEPCK-C
UniProt Entry Name	PCKGC_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/pck1-rat-elisa-kits/phosphoenolpyruvate-carboxykinase-cytosolic-gtp/192090>