

Datasheet for ABIN185482
anti-PCK1 antibody (Internal Region)



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Overview

Quantity:	100 µg
Target:	PCK1
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This PCK1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	PCK1 / PEPCKC (internal)
Immunogen:	Peptide with sequence C-HVNWFRKDKEGK, from the internal region of the protein sequence according to NP_002582.3.
Sequence:	HVNWFRKDKE GK
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	PCK1
Alternative Name:	PCK1
Background:	PCK1, phosphoenolpyruvate carboxykinase 1 (soluble), HGNC:8724, MGC22652, PEPCK1, PEPCKC, PEP carboxykinase, cytosolic phosphoenolpyruvate carboxykinase 1, phosphoenolpyruvate carboxylase, phosphopyruvate carboxylase, PEPCK-C
Gene ID:	5105
NCBI Accession:	NP_002582
Pathways:	Positive Regulation of Peptide Hormone Secretion , Carbohydrate Homeostasis

Application Details

Application Notes:	Immunohistochemistry: Paraffin embedded Human Cerebral Cortex, Kidney and Liver. Recommended concentration: 2 µg/mL. Western Blot: Preliminary experiments gave bands at approx 70 kDa, 45 kDa and 28 kDa 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 Peptide ELISA: antibody detection limit dilution 1:8000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.