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Datasheet for ABIN7441070
anti-PEPCK antibody (AA 33-198)

3 Images

Overview

Quantity:	100 µL
Target:	PEPCK
Binding Specificity:	AA 33-198
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PEPCK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Phosphoenolpyruvate Carboxykinase 2, Mitochondrial (PCK2)
Immunogen:	Recombinant Phosphoenolpyruvate Carboxykinase 2, Mitochondrial (PCK2) corresponding to Leu33~Val198 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against PCK2. It has been selected for its ability to recognize PCK2 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Pig, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

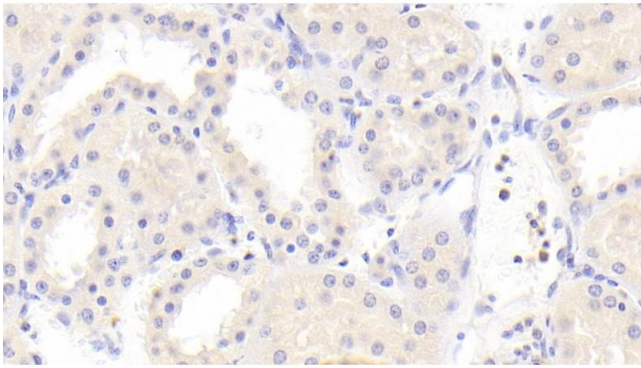
Target:	PEPCK
Alternative Name:	Phosphoenolpyruvate Carboxykinase 2, Mitochondrial (PEPCK Products)
Background:	PEPCK, PEPCK2
Pathways:	Positive Regulation of Peptide Hormone Secretion, Carbohydrate Homeostasis

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

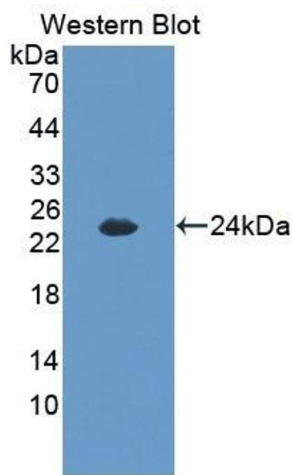
Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



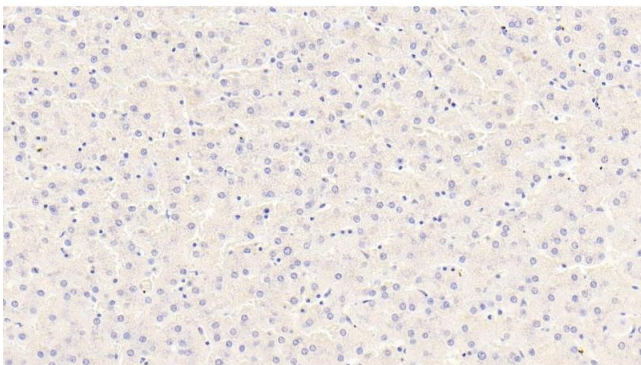
Immunohistochemistry

Image 1. Detection of PCK2 in Human Kidney Tissue using Polyclonal Antibody to Phosphoenolpyruvate Carboxykinase 2, Mitochondrial (PCK2)



Western Blotting

Image 2. Detection of Recombinant PCK2, Human using Polyclonal Antibody to Phosphoenolpyruvate Carboxykinase 2, Mitochondrial (PCK2)



Immunohistochemistry

Image 3. Detection of PCK2 in Human Liver Tissue using Polyclonal Antibody to Phosphoenolpyruvate Carboxykinase 2, Mitochondrial (PCK2)