

Datasheet for ABIN3022754
anti-PCK1 antibody (C-Term)

7 Images

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Overview

Quantity:	100 µL
Target:	PCK1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 520 to the C-terminus of human PCK1 (NP_002582.3).
Sequence:	DKEGKFLWPG FGNSRVLEW MFNRIDGKAS TKLTPIGYIP KEDALNLKGL GHINMMELFS ISKEFWEKEV EDIEKYLEQ VNADLPCEIE REILALKQRI SQM
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PCK1
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Target Details

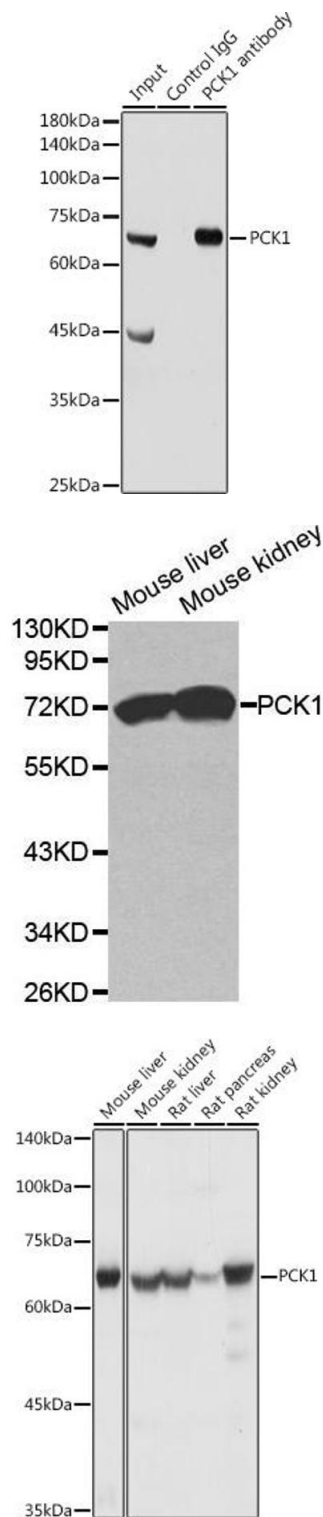
Alternative Name:	PCK1 (PCK1 Products)
Background:	<p>This gene is a main control point for the regulation of gluconeogenesis. The cytosolic enzyme encoded by this gene, along with GTP, catalyzes the formation of phosphoenolpyruvate from oxaloacetate, with the release of carbon dioxide and GDP. The expression of this gene can be regulated by insulin, glucocorticoids, glucagon, cAMP, and diet. Defects in this gene are a cause of cytosolic phosphoenolpyruvate carboxykinase deficiency. A mitochondrial isozyme of the encoded protein also has been characterized.,PCK1,PEPCK-C,PEPCK1,PEPCKC,Cancer,Signal Transduction,Endocrine & Metabolism,Lipid Metabolism,Cholesterol Metabolism,Carbohydrate metabolism,Endocrine and metabolic diseases,Diabetes,Cardiovascular,Heart,Lipids,Cardiovascular diseases,Heart disease,PCK1</p>
Molecular Weight:	34 kDa/69 kDa
Gene ID:	5105
UniProt:	P35558
Pathways:	Positive Regulation of Peptide Hormone Secretion , Carbohydrate Homeostasis

Application Details

Application Notes:	WB,1:1000 - 1:2000,IF,1:50 - 1:200,IP,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunoprecipitation

Image 1. Immunoprecipitation analysis of 300 µg extracts of Mouse liver cells using 3 µg PCK1 antibody (ABIN3022753, ABIN3022754, ABIN3022755 and ABIN6219210). Western blot was performed from the immunoprecipitate using PCK1 antibody (ABIN3022753, ABIN3022754, ABIN3022755 and ABIN6219210) at a dilution of 1:1000.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using PCK1 antibody.

Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using PCK1 antibody (ABIN3022753, ABIN3022754, ABIN3022755 and ABIN6219210) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN3022754.