

DATASHEET

PCK2 Rabbit Polyclonal Antibody

CAT. NO. APA14768

KEY FEATURES

Target	PCK2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Mitochondrial phosphoenolpyruvate carboxykinase that catalyzes the conversion of oxaloacetate (OAA) to phosphoenolpyruvate (PEP), the rate-limiting step in the metabolic pathway that produces glucose from lactate and other precursors derived from the citric acid cycle to phosphoenolpyruvate (PEP), the rate-limiting step in the metabolic pathway that produces glucose from lactate and other precursors derived from the citric acid cycle . Can play an active role in glyceroneogenesis and gluconeogenesis . Also acts as a serine/threonine-protein kinase: phosphorylates and activates ACSL4, thereby promoting ferroptosis .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

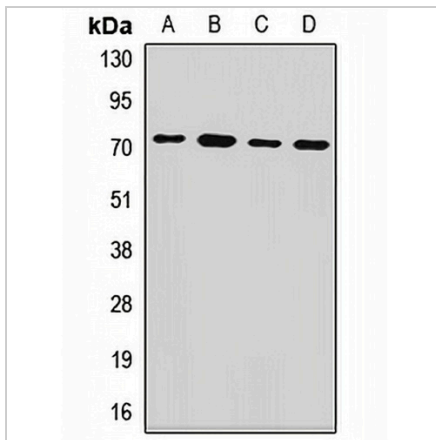
Description	Rabbit polyclonal antibody to PCK2
Specificity	Recognizes endogenous levels of PCK2 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human PCK2
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 47; Observed: 71 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	PEPCK2; Phosphoenolpyruvate carboxykinase [GTP] mitochondrial; PEPCK-M
Gene Symbol	PCK2
Entrez Gene	5106(Human); 74551(Mouse)
SwissProt	Q16822(Human); Q8BH04(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of PCK2 expression in SHSY5Y (A), HepG2 (B), mouse brain (C), rat brain (D) whole cell lysates. (Predicted band size: 47; 70 kD; Observed band size: 71 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.