Anti-Pyruvate Carboxylase Antibody

01/20

CATALOG NO.: **A2020-100 (100 µl)**

BACKGROUND DESCRIPTION: This gene encodes pyruvate carboxylase, which requires biotin and ATP to catalyze the carboxylation of pyruvate to oxaloacetate. The active enzyme is a homotetramer arranged in a tetrahedron which is located exclusively in the mitochondrial matrix. Pyruvate carboxylase is involved in gluconeogenesis, lipogenesis, insulin secretion and synthesis of the neurotransmitter glutamate. Mutations in this gene have been associated with pyruvate carboxylase deficiency. Alternatively spliced transcript variants with different 5' UTRs, but encoding the same protein, have been found for this gene.

ALTERNATE NAMES: Pyruvate carboxylase mitochondrial; Pyruvic carboxylase; PCB

ANTIBODY TYPE: Polyclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: KLH-conjugated synthetic peptide targeting a sequence within the center region of human Pyruvate Carboxylase.

MOLECULAR WEIGHT: 130 kDa

PURIFICATION: Affinity purified

FORM: Liquid

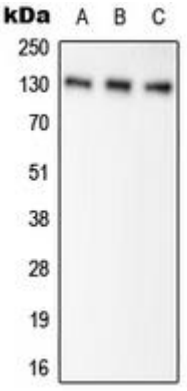
FORMULATION: In 0.42% Potassium phosphate; 0.87% NaCl; pH 7.3; 30% glycerol; and 0.01% sodium azide

SPECIES REACTIVITY: Human, Mouse, Rat, Monkey, Chicken, Bovine, Porcine, Sheep, Zebrafish

STORAGE CONDITIONS: Store at -20ºC. Avoid freeze / thaw cycles

APPLICATIONS AND USAGE: WB 1:500 - 1:1000

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of Pyruvate Carboxylase expression in HEK293T (A); NIH3T3 (B); H9C2 (C) whole cell lysates.

RELATED PRODUCTS:

Anti-PCK1 Antibody (A1864)
LDHA Antibody (Center) (6736)
Anti-PKM Antibody (A1698)
GCK (Glucokinase) Antibody (3153)

FOR RESEARCH USE ONLY! Not to be used on humans.

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