

Product datasheet for TA321239

PCB (PC) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications:

Recommended Dilution: WB: 200-1000

WB positive control: Hela cells

Reactivity: Human, Mouse, Rat

Host: Rabbit **IgG** Isotype:

Clonality: Polyclonal

Fusion protein corresponding to a region derived from 563-832 amino acids of human Immunogen:

pyruvate carboxylase

Formulation: PBS pH7.3, 0.05% NaN3, 50% glycerol

Concentration: lot specific

Purification: Antigen affinity purification

Conjugation: Unconjugated

Store at -20°C as received. Storage:

Stable for 12 months from date of receipt. Stability:

Predicted Protein Size: 130 kDa

Gene Name: pyruvate carboxylase

Database Link: NP 000911

Entrez Gene 25104 RatEntrez Gene 18517 MouseEntrez Gene 5091 Human

P11498

Background: This gene encodes pyruvate carboxylase; which requires biotin and ATP to catalyse 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.



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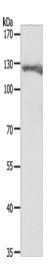


Synonyms: PCB

Protein Families: Druggable Genome

Protein Pathways: Citrate cycle (TCA cycle), Metabolic pathways, Pyruvate metabolism

Product images:



Gel: 8%SDS-PAGE Lysate: 40 μg Lane: Hela cells

Primary antibody: TA321239 (PC Antibody) at

dilution 1/200

Secondary antibody: Goat anti rabbit IgG at

1/8000 dilution

Exposure time: 30 seconds