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Product datasheet for TA350924

PCK1 Rabbit Polyclonal Antibody

Product data:

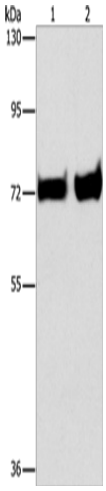
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse liver and kidney tissue
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human PCK1
Formulation:	pH7.4 PBS, 0.05% NaN3, 40% Glyceroln
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	69 kDa
Gene Name:	phosphoenolpyruvate carboxykinase 1
Database Link:	NP_002582 Entrez Gene 18534 MouseEntrez Gene 362282 RatEntrez Gene 5105 Human P35558
Background:	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.
Synonyms:	PEPCK-C; PEPCK1; PEPCKC

View online »

Protein Families: Druggable Genome

Protein Pathways: Adipocytokine signaling pathway, Citrate cycle (TCA cycle), Glycolysis / Gluconeogenesis, Insulin signaling pathway, Metabolic pathways, PPAR signaling pathway, Pyruvate metabolism

Product images:



Gel: 6%SDS-PAGE
Lysate: 40 µg
Lane 1-2: Mouse liver tissue
Mouse kidney tissue
Primary antibody: TA350924 (PCK1 Antibody) at dilution 1/375
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 30 seconds