

## Product datasheet for **TA350174S**

### PCK2 Rabbit Polyclonal Antibody

#### Product data:

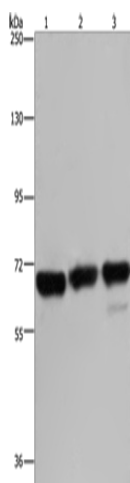
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: 293T, Jurkat and Hela cells IHC: 100-300 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human PCK2
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
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:	71 kDa
Gene Name:	phosphoenolpyruvate carboxykinase 2, mitochondrial
Database Link:	<a href="#">NP_004554</a> <a href="#">Entrez Gene 74551 Mouse</a> <a href="#">Entrez Gene 5106 Human</a> <a href="#">Q16822</a>
Background:	This gene encodes a mitochondrial enzyme that catalyzes the conversion of oxaloacetate to phosphoenolpyruvate in the presence of guanosine triphosphate (GTP). A cytosolic form of this protein is encoded by a different gene and is the key enzyme of gluconeogenesis in the liver. Alternatively spliced transcript variants have been described.
Synonyms:	PEPCK; PEPCK-M; PEPCK2
Protein Families:	ES Cell Differentiation/IPS



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**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 1-3: 293T cells

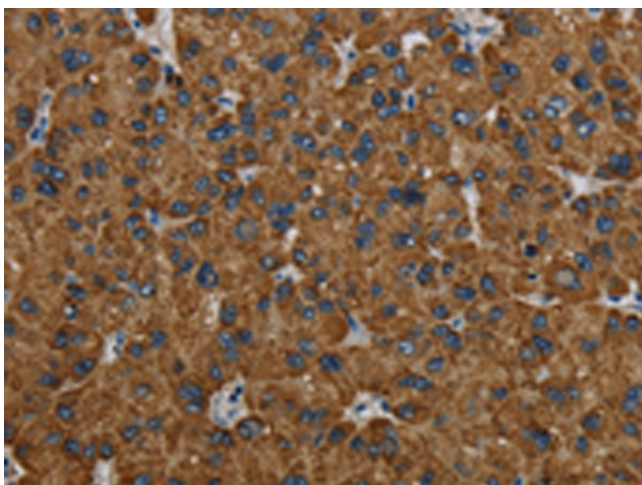
Jurkat cells

HeLa cells

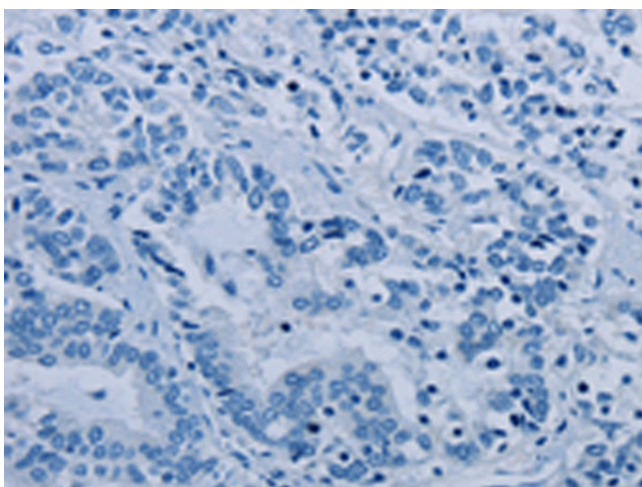
Primary antibody: [TA350174] (PCK2 Antibody) at dilution 1/750

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

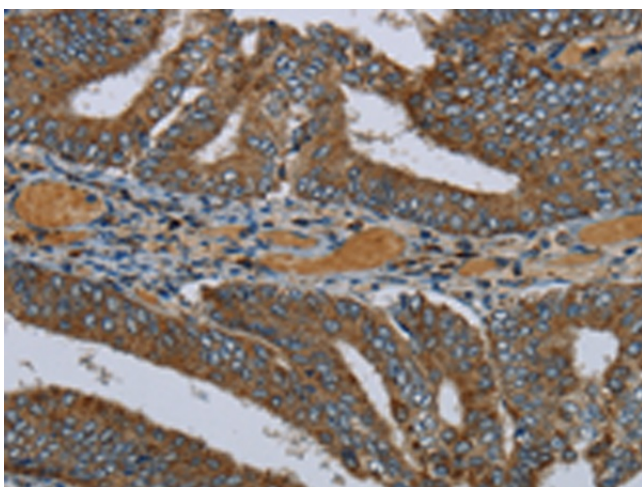
Exposure time: 10 minutes



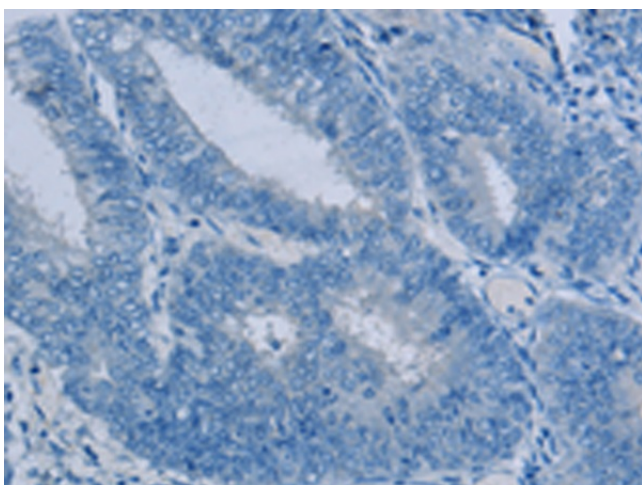
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA350174] (PCK2 Antibody) at dilution 1/60 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA350174] (PCK2 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA350174] (PCK2 Antibody) at dilution 1/60 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using [TA350174] (PCK2 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification:  $\times 200$ )