

Product datasheet for **TA350174**

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 ₃ , 40% Glycerol
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:	71 kDa
Gene Name:	phosphoenolpyruvate carboxykinase 2, mitochondrial
Database Link:	NP_004554 Entrez Gene 74551 Mouse Entrez Gene 5106 Human Q16822
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

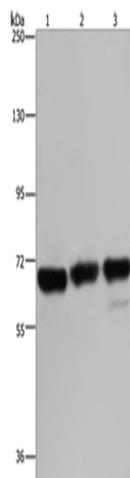


[View online »](#)

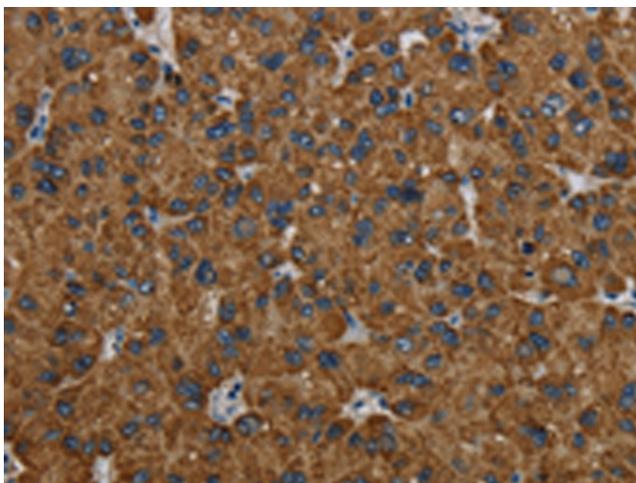
Protein Families: ES Cell Differentiation/IPS

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

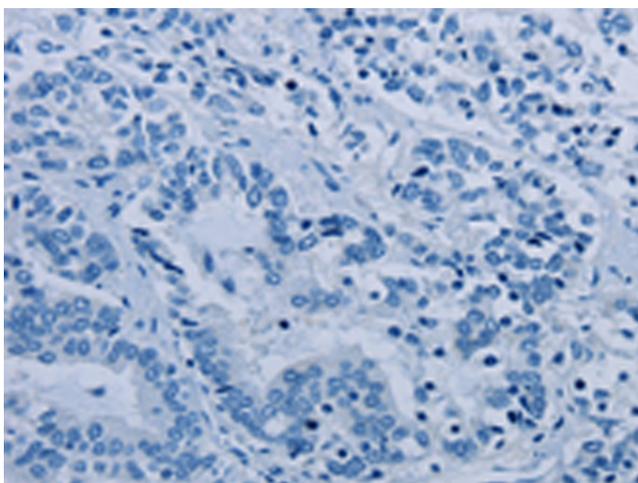
Product images:



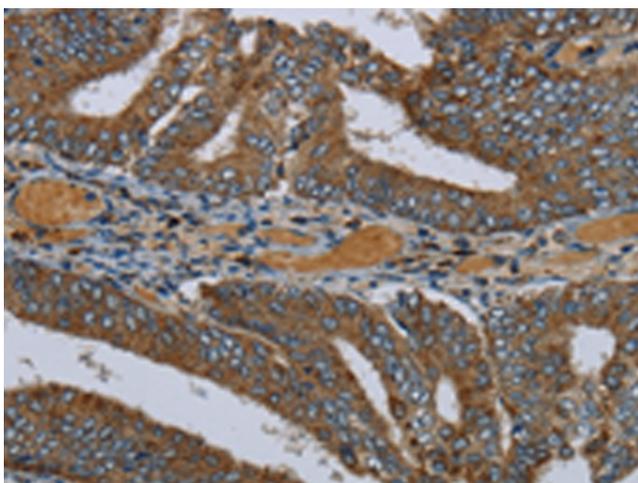
Gel: 6%SDS-PAGE
Lysate: 40 µg
Lane 1-3: 293T cells
Jurkat cells
Hela cells
Primary antibody: TA350174 (PCK2 Antibody) at dilution 1/750
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
Exposure time: 10 minutes



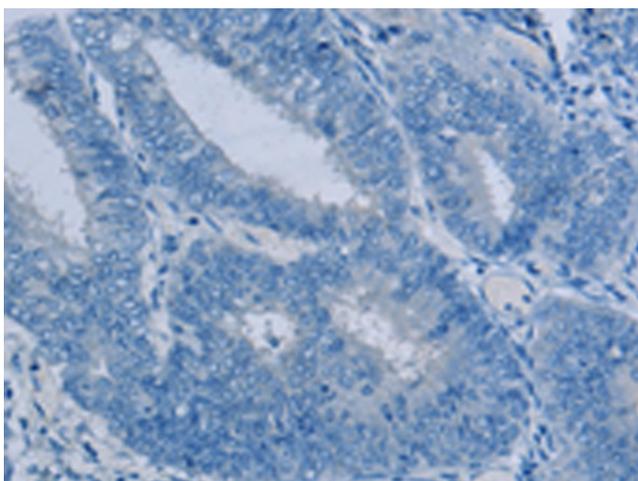
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA350174 (PCK2 Antibody) at dilution 1/60 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA350174 (PCK2 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA350174 (PCK2 Antibody) at dilution 1/60 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA350174 (PCK2 Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: x200)