

Rabbit anti-Human PCK1 Monoclonal Antibody | anti-PCK1 antibody

PCK1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312597	Rabbit	Human	Western Blot, Immunohistochemistry, Immunocytochemistry

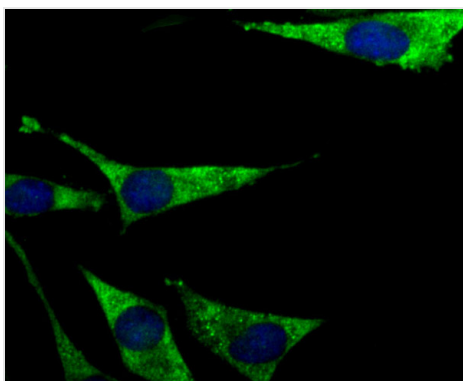
PRODUCT SYNONYMS

PCK1; Monoclonal Antibody; PCK1 Antibody; cytosolic [GTP] antibody; GTP antibody; PCK1 antibody; PCKGC_HUMAN antibody; PEP carboxykinase antibody; PEPCK-C antibody; PEPCK1 antibody; PEPCKC antibody; Phosphoenolpyruvate carboxykinase 1 (soluble) antibody; Phosphoenolpyruvate carboxykinase 1 antibody; Phosphoenolpyruvate carboxykinase antibody; Phosphoenolpyruvate carboxykinase; cytosolic antibody; Phosphoenolpyruvate carboxylase antibody; Phosphopyruvate carboxylase antibody; anti-PCK1 antibody

PRODUCT SPECIFICATIONS

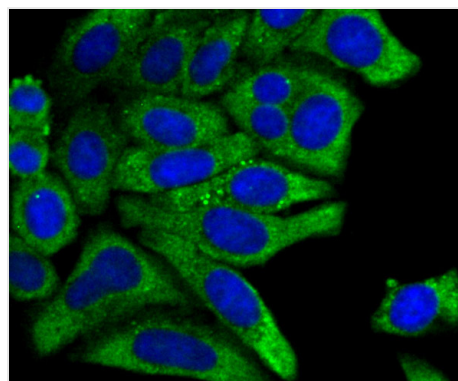
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Clone Number	JU84-39
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-PCK1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



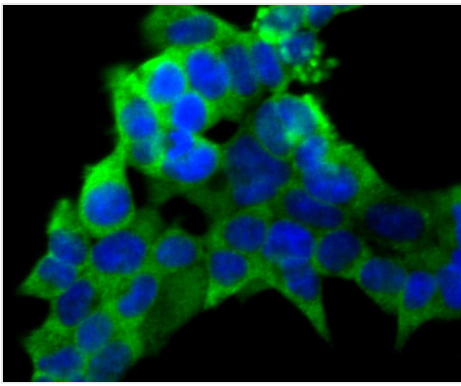
ICC (Immunocytochemistry)

ICC staining PCK1 in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



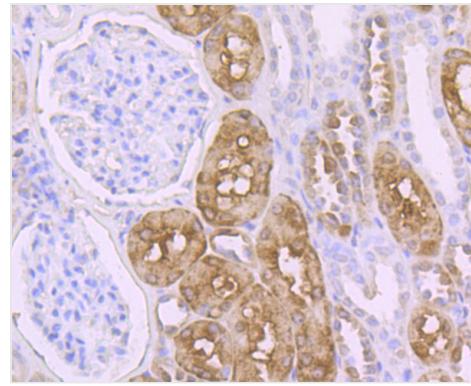
ICC (Immunocytochemistry)

ICC staining PCK1 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



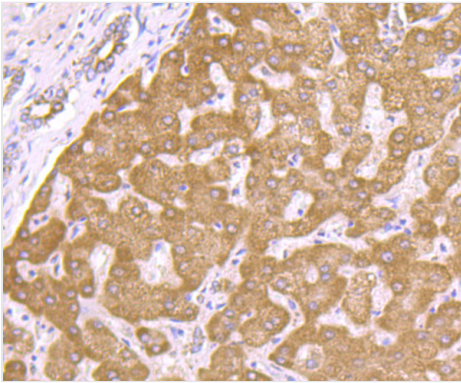
ICC (Immunocytochemistry)

ICC staining PCK1 in 293T cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-PCK1 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-PCK1 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-PCK1 antibody	Normal adjustment to changes in blood glucose levels depends on insulin signaling as well as enzymes involved in the regulation of gluconeogenesis. Pathological changes to this process are central to the type 2 diabetes phenotype. Phosphoenolpyruvate carboxykinase (PEPCK) plays an important role in this process by stimulating hepatic glucose production. PEPCK expression increases in response to glucagon and glucocorticoids, while insulin suppresses expression. Modulation of the signals governing PEPCK levels present a potential therapeutic approach to the treatment of insulin resistance and consequently obesity. The cytosolic form of PEPCK, known as PEPCK-C, and the mitochondrial form, known as PEPCK-M, are encoded by two different nuclear genes in mouse, human and chicken.
Product Categories/Family for anti-PCK1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	93138710
NCBI GeneID	5105
UniProt Accession #	P35558; Q8TCA3; Q9UJD2; A8K437; B4DT64
Molecular Weight	622
NCBI Official Full Name	Phosphoenolpyruvate carboxykinase, cytosolic
NCBI Official Synonym Full Names	phosphoenolpyruvate carboxykinase 1 (soluble)
NCBI Official Symbol	PCK1

NCBI Official Synonym Symbols	PEPCK1; PEPCKC; PEPCK-C
NCBI Protein Information	phosphoenolpyruvate carboxykinase, cytosolic [GTP]; phosphoenolpyruvate carboxykinase, cytosolic [GTP]; PEP carboxykinase; phosphopyruvate carboxylase; phosphoenolpyruvate carboxylase
UniProt Protein Name	Phosphoenolpyruvate carboxykinase, cytosolic [GTP]
UniProt Gene Name	PCK1
UniProt Synonym Gene Names	PEPCK1; PEPCK-C
UniProt Entry Name	PCKGC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pck1-antibody-clone-ju84-39-western-blot-immunohistochemistry-immunocytochemistry-elisa/312597>