

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

PCK1 Rabbit mAb

CATALOG # AAA282940	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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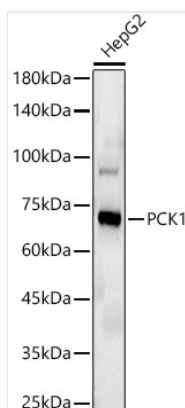
PRODUCT SYNONYMS

PCK1; Monoclonal Antibody; PCK1 Rabbit mAb; PCKDC; PEPCK1; PEPCKC; PEPCK-C; anti-PCK1 antibody

PRODUCT SPECIFICATIONS

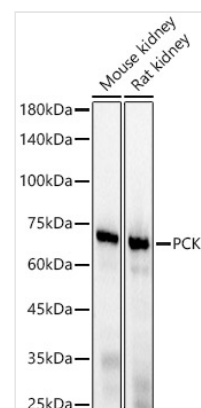
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	GKFLWPGFGE NSRVLEWMFN RIDGKASTKL TPIGYIPKED ALNLKGLGHI NMMELFSISK EFWEKEVEDI EKYLEDQVNA DLPCEIEREI LALKQRISQM
Applicable Applications for anti-PCK1 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 523-622 of human PCK1 (NP_002582.3).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from HepG2 cells, using PCK1 Rabbit mAb (AAA282940) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 0.5s.



WB (Western Blot)

Western blot analysis of various lysates, using PCK1 Rabbit mAb (AAA282940) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 0.5s.

ADDITIONAL INFORMATION

Related Product Information for anti-PCK1 antibody	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.
Product Categories/Family for anti-PCK1 antibody	Cancer; Signal Transduction; Endocrine Metabolism; Lipid Metabolism; Cholesterol Metabolism; Carbohydrate metabolism; Endocrine and metabolic diseases; Diabetes; Cardiovascular; Heart; Lipids; Cardiovascular diseases; Heart disease; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	93138710
NCBI GeneID	5105
UniProt Accession #	P35558; Q8TCA3; Q9UJD2; A8K437; B4DT64
Molecular Weight	Calculated MW: 69kDa Observed MW: 69kDa
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-western-blot-elisa/282940>