

Rabbit anti-Human PCK2 Polyclonal Antibody | anti-PCK2 antibody

PCK2 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287358	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

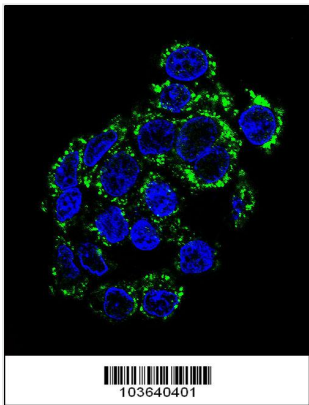
PRODUCT SYNONYMS

PCK2; Polyclonal Antibody; PCK2 Antibody (N-term); Phosphoenolpyruvate carboxykinase [GTP]; mitochondrial; PEPCK-M; PEPCK2; anti-PCK2 antibody

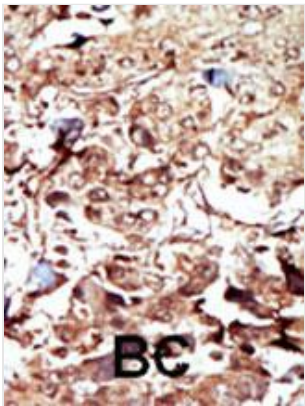
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PCK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 24-54 amino acids from the N-terminal region of human PCK2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	24-54
Sequence Length	441
Applicable Applications for anti-PCK2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

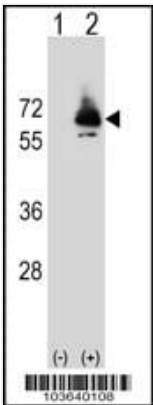
IMAGES



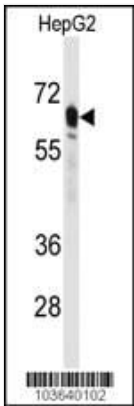
IF (Immunofluorescence)
Confocal immunofluorescent analysis of PCK2 Antibody (N-term) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of PCK2 (arrow) using rabbit polyclonal PCK2 Antibody (Q39). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PCK2 gene.



WB (Western Blot)
Western blot analysis of anti-PCK2 Antibody (N-term) in HepG2 cell line lysates (35ug/lane). PCK2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PCK2 antibody	This gene encodes a member of the phosphoenolpyruvate carboxykinase (GTP) family. The protein is a mitochondrial enzyme that catalyzes the conversion of oxaloacetate to phosphoenolpyruvate in the presence of GTP. A cytosolic form encoded by a different gene has also been characterized and is the key enzyme of gluconeogenesis in the liver. The encoded protein may serve a similar function, although it is constitutively expressed and not modulated by hormones such as glucagon and insulin that regulate the cytosolic form. Alternatively spliced transcript variants have been described.
Product Categories/Family for anti-PCK2 antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
References	Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002). Modaressi, S., et al., Biochem. J. 333 (Pt 2), 359-366 (1998). Modaressi, S., et al., Biochem. J. 315 (Pt 3), 807-814 (1996).

NCBI AND UNIPROT INFORMATION

NCBI GI #	66346723
NCBI GeneID	5106
NCBI Accession #	NP_001018083.1; NP_004554.2

NCBI GenBank Nucleotide #	NM_001018073.1
UniProt Accession #	Q16822; O43253; Q86U01; Q9BV62
Molecular Weight	70730
NCBI Official Full Name	phosphoenolpyruvate carboxykinase
NCBI Official Synonym Full Names	phosphoenolpyruvate carboxykinase 2 (mitochondrial)
NCBI Official Symbol	PCK2
NCBI Official Synonym Symbols	PEPCK; PEPCK2; PEPCK-M
NCBI Protein Information	phosphoenolpyruvate carboxykinase [GTP], mitochondrial
UniProt Protein Name	Phosphoenolpyruvate carboxykinase [GTP], mitochondrial
UniProt Gene Name	PCK2
UniProt Synonym Gene Names	PEPCK2; PEPCK-M
UniProt Entry Name	PCKGM_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/polyclonal/pck2-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/287358>