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Datasheet for ABIN6145313

## anti-PEPCK antibody (AA 1-280)

2 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	PEPCK
Binding Specificity:	AA 1-280
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PEPCK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF)

### Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-280 of human PEPCK/PEPCK/PCK2 (NP_004554.2).
Sequence:	MAALYRPLGR LNWHGLSPLG WPSCRSIQTL RVLSGDLGQL PTGIRDFVEH SARLCQPEGI HICDGTEAEN TATLTLLLEQQ GLIRKLPKYN NCWLARTDPK DVARVESKTV IVTPSQRDTV QLPPGGARGQ LGNWMSPADF QRAVDERFPG CMQGRMYVL PFSMGVPGSP LSRIGVQLTD SAYVVASMRI MTRLGTPVLQ ALGDGDFVKC LHSVQPLTG QGEPVSQWPC NPEKTLIGHV PDQREIISFG SGYGGNSLLG KKCFALRIAS RLARDEGWLA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

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Target:	PEPCK
Alternative Name:	PCK2 ( <a href="#">PEPCK Products</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.,PCK2,PEPCK,PEPCK-M,PEPCK2,Cancer,Signal Transduction,Kinase,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,Lipid Metabolism,Cholesterol Metabolism,Carbohydrate metabolism,Endocrine and metabolic diseases,Obesity,Cardiovascular,Lipids,PCK2
Molecular Weight:	47 kDa/70 kDa
Gene ID:	5106
UniProt:	<a href="#">Q16822</a>
Pathways:	<a href="#">Positive Regulation of Peptide Hormone Secretion</a> , <a href="#">Carbohydrate Homeostasis</a>

## Application Details

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Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100,IF,1:50 - 1:200,IP,1:20 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

## Handling

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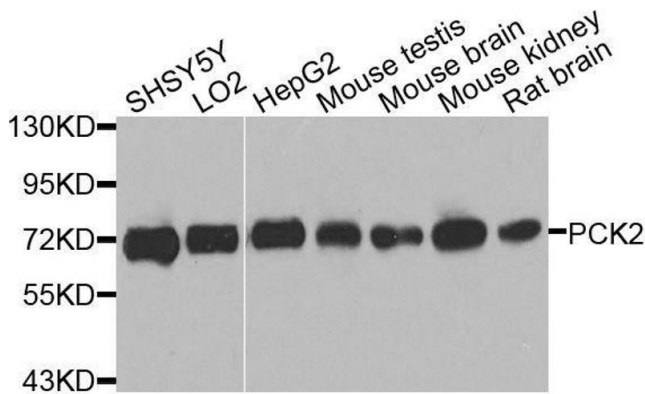
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

## Publications

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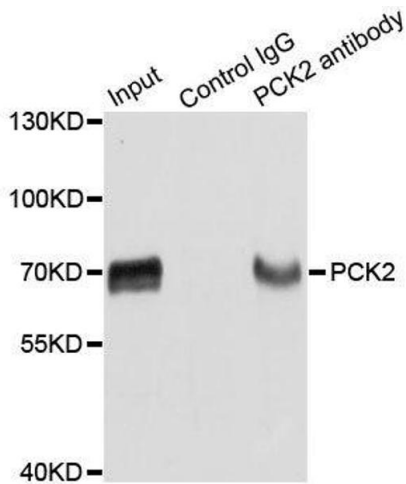
Product cited in:	Lv, Qiu, Wang, Liu, Xue, Yu, Song, Chen, Wang, Song: "A GTP-dependent Phosphoenolpyruvate
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Carboxykinase from *Crassostrea gigas* Involved in Immune Recognition." in: **Developmental and comparative immunology**, Vol. 77, pp. 318-329, (2018) ([PubMed](#)).



#### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using PCK2 antibody.



#### Immunoprecipitation

**Image 2.** Immunoprecipitation analysis of extracts of HepG2 cells using PCK2 antibody.