

Rabbit PCK1 Polyclonal Antibody | anti-PCK1 antibody

PCK1 antibody - middle region

CATALOG # AAA23418	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat	APPLICATIONS Western Blot
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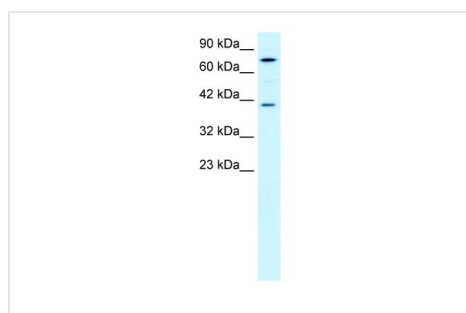
PRODUCT SYNONYMS

PCK1; Polyclonal Antibody; PCK1 antibody - middle region; anti-PCK1 antibody

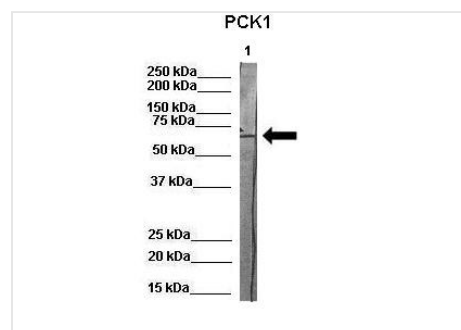
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: NG FFGVAPGTSV KTNPNAIKI QKNTIFTNVA ETSDGGVYWE GIDEPLAS
Sequence Length	622
Applicable Applications for anti-PCK1 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 86%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 93%; Rabbit: 86%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human PCK1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

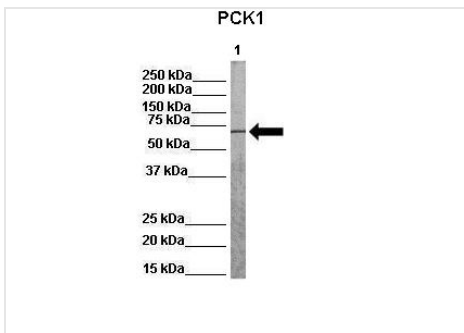


WB (Western Blot)

WB Suggested Anti-PCK1 Antibody Titration: 0.2-1 ug/mL
ELISA Titer: 1:156250
Positive Control: Jurkat cell lysate


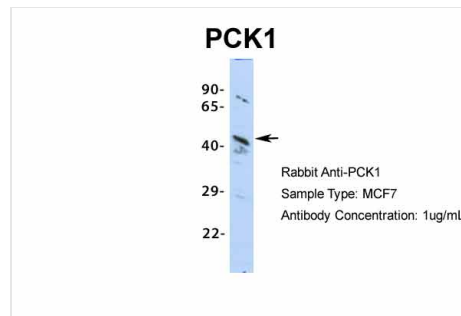
WB (Western Blot)

WB Suggested Anti-PCK1 Antibody
Positive Control: Lane 1: 80ug pig serum protein
Primary Antibody Dilution : 1:1000
Secondary Antibody : Anti-rabbit-HRP
Secondary Antibody Dilution : 1:500
Submitted by: Martina Ondrovics, University of Veterinary Medicine Vienna



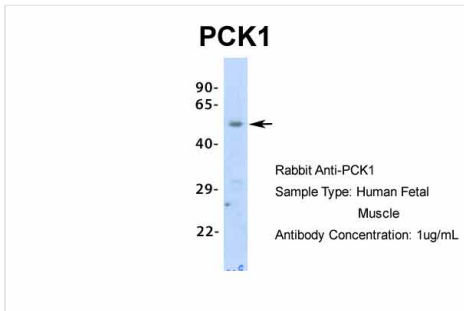
WB (Western Blot)

WB Suggested Anti-PCK1 Antibody Positive Control: Lane 1: 80ug pig serum Primary Antibody Dilution : 1:1000 Secondary Antibody : Anti-rabbit-HRP Secondary Antibody Dilution : 1:1000 Submitted by: Martina Ondrovics, University of Veterinary Medicine Vienna



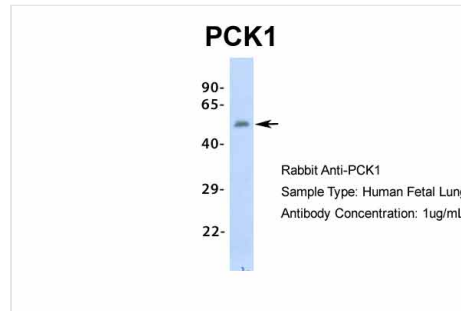
WB (Western Blot)

Host: Rabbit Target Name: PCK1 Sample Type: MCF7 Antibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: Rabbit Target Name: PCK1 Sample Type: Human Fetal Muscle Antibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: Rabbit Target Name: PCK1 Sample Type: Human Fetal Lung Antibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-PCK1 antibody

This is a rabbit polyclonal antibody against PCK1. It was validated on Western Blot using a cell lysate as a positive control.

Target Description: PCK1 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 PCK1 can be regulated by insulin, glucocorticoids, glucagon, cAMP, and diet. 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. **Publication Note:** This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Product Categories/Family for anti-PCK1 antibody

[Polyclonal](#); [Drugs and Drug Metabolism](#); [Disease Related](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	187281517
NCBI GeneID	5105
NCBI Accession #	NP_002582
NCBI GenBank Nucleotide #	NM_002591
UniProt Accession #	P35558
Molecular Weight	69kDa

NCBI Official Full Name	phosphoenolpyruvate carboxykinase, cytosolic
NCBI Official Synonym Full Names	phosphoenolpyruvate carboxykinase 1
NCBI Official Symbol	PCK1
NCBI Official Synonym Symbols	PCKDC; PEPCK1; PEPCKC; PEPCK-C
NCBI Protein Information	phosphoenolpyruvate carboxykinase, cytosolic [GTP]
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/polyclonal/pck1-antibody-western-blot-elisa/23418>