

## ARG56518 anti-PCK1 / PEPCKC antibody

Package: 250 μl Store at: -20°C

# Summary

Product Description	Rabbit Polyclonal antibody recognizes PCK1 / PEPCKC
Tested Reactivity	Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
lsotype	lgG
Target Name	PCK1 / PEPCKC
Species	Mouse
Immunogen	Synthetic peptide around the N-terminus of Mouse PCK1 / PEPCK-C.
Conjugation	Un-conjugated
Alternate Names	Phosphoenolpyruvate carboxykinase, cytosolic [GTP]; EC 4.1.1.32; PEPCK1; PEPCK-C; PEPCKC

### **Application Instructions**

Application table	Application	Dilution
	WB	1:200
Application Note	* The dilutions indicate recomme should be determined by the scie	ended starting dilutions and the optimal dilutions or concentrations entist.

### **Properties**

FormLiquidPurificationAffinity purification with immunogen.BufferTBS (pH 7.4), 0.02% Sodium azide, 50% Glycerol and 0.1% BSA.Preservative0.02% Sodium azideStabilizerS0% Glycerol and 0.1% BSAStorage instructionFor continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.NoteFor laboratory research only, not for drug, diagnostic or other use.		
PurificationAffinity purification with immunogen.BufferTBS (pH 7.4), 0.02% Sodium azide, 50% Glycerol and 0.1% BSA.Preservative0.02% Sodium azideStabilizer50% Glycerol and 0.1% BSAStorage instructionFor continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.NoteFor laboratory research only, not for drug, diagnostic or other use.	Form	Liquid
BufferTBS (pH 7.4), 0.02% Sodium azide, 50% Glycerol and 0.1% BSA.Preservative0.02% Sodium azideStabilizer50% Glycerol and 0.1% BSAStorage instructionFor continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.NoteFor laboratory research only, not for drug, diagnostic or other use.	Purification	Affinity purification with immunogen.
Preservative0.02% Sodium azideStabilizer50% Glycerol and 0.1% BSAStorage instructionFor continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.NoteFor laboratory research only, not for drug, diagnostic or other use.	Buffer	TBS (pH 7.4), 0.02% Sodium azide, 50% Glycerol and 0.1% BSA.
Stabilizer50% Glycerol and 0.1% BSAStorage instructionFor continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.NoteFor laboratory research only, not for drug, diagnostic or other use.	Preservative	0.02% Sodium azide
Storage instructionFor continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.NoteFor laboratory research only, not for drug, diagnostic or other use.	Stabilizer	50% Glycerol and 0.1% BSA
Note For laboratory research only, not for drug, diagnostic or other use.	Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
	Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links

GenelD: 18534 Mouse

#### GeneID: 362282 Rat

#### Swiss-port # P07379 Rat

#### Swiss-port # Q9Z2V4 Mouse

Gene Symbol	Pck1
Gene Full Name	phosphoenolpyruvate carboxykinase 1, cytosolic
Background	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. [provided by RefSeq, Jul 2008]
Function	Catalyzes the conversion of oxaloacetate (OAA) to phosphoenolpyruvate (PEP), the rate-limiting step in the metabolic pathway that produces glucose from lactate and other precursors derived from the citric acid cycle. [UniProt]
Calculated Mw	69 kDa
РТМ	Lysine acetylation by p300/EP300 is increased on high glucose conditions and promotes ubiquitination by UBR5, acetylation is enhanced in the presence of BAG6. Deacetylated by SIRT2. Ubiquitination by UBR5 leads to proteasomal degradation.