

## ARG64211 anti-PCK1 / PEPCKC antibody

Package: 100 μg Store at: -20°C

#### Summary

Product Description	Goat Polyclonal antibody recognizes PCK1 / PEPCKC	
Tested Reactivity	Hu	
Tested Application	WB	
Host	Goat	
Clonality	Polyclonal	
lsotype	lgG	
Target Name	PCK1 / PEPCKC	
Species	Human	
Immunogen	C-EKEVEDIEKYLEDQ	
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	0.5 - 1.5 μg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

#### Properties

Form	Liquid	
Purification	Purified from goat serum by antigen affinity chromatography.	
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.	
Preservative	0.02% Sodium azide	
Stabilizer	0.5% BSA	
Concentration	0.5 mg/ml	
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 or below. 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: 5105 Human	
	Swiss-port # P35558 Human	
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]	
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody	
Calculated Mw	69 kDa	
PTM	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.	

#### Images

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa	ARG64211 anti-PCK1 / PEPCKC antibody WB image Western Blot: Human Kidney lysate (35 μg protein in RIPA buffer) stained with ARG64211 anti-PCK1 / PEPCKC antibody at 0.5 μg/ml dilution.
 15kDa	