

ARG63906 anti-PCK1 / PEPCKC antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes PCK1 / PEPCKC
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Pig
Tested Application	IHC-P
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	PCK1 / PEPCKC
Species	Human
Immunogen	C-HVNWFRKDKEGK
Conjugation	Un-conjugated
Alternate Names	Phosphoenolpyruvate carboxykinase, cytosolic [GTP]; EC 4.1.1.32; PEPCK1; PEPCK-C; PEPCKC

Application Instructions

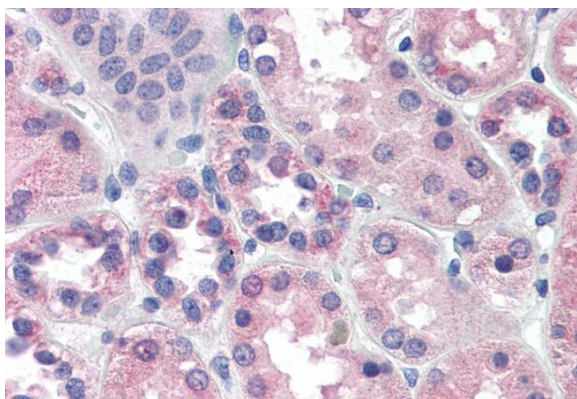
Application table	Application	Dilution
	IHC-P	2 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

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.

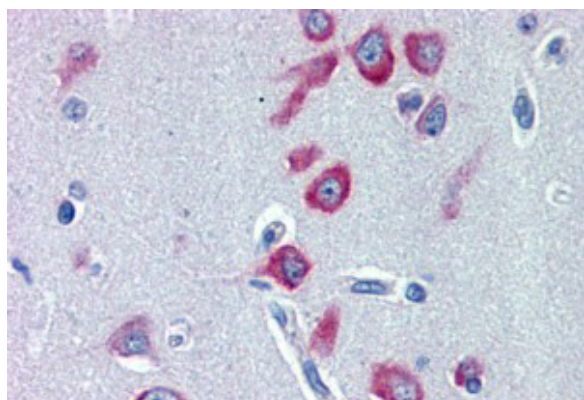
Database links	GeneID: 5105 Human Swiss-port # P35558 Human
Background	This gene is a main control point for the regulation of gluconeogenesis. The cytosolic enzyme encoded by this gene, along with GTP, catalyzes the formation of phosphoenolpyruvate from oxaloacetate, with the release of carbon dioxide 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



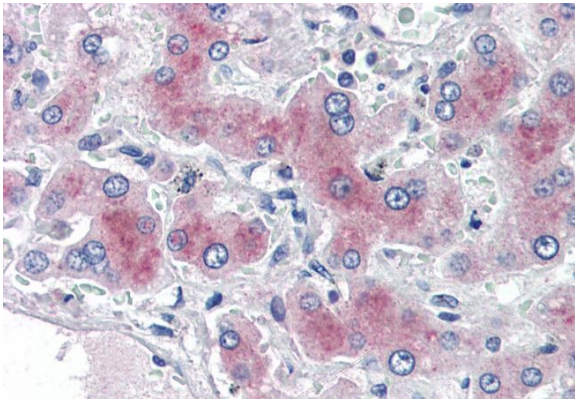
ARG63906 anti-PCK1 / PEPCKC antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63906 anti-PCK1 / PEPCKC antibody at 2 µg/ml dilution followed by AP-staining.



ARG63906 anti-PCK1 / PEPCKC antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Cerebral Cortex. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63906 anti-PCK1 / PEPCKC antibody at 2 µg/ml dilution followed by AP-staining.



ARG63906 anti-PCK1 / PEPCKC antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver tissue.
Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63906 anti-PCK1 / PEPCKC antibody at 2 µg/ml dilution followed by AP-staining.