

PCK2 Antibody
Rabbit mAb
Catalog # AP91578**Specification**

PCK2 Antibody - Product Information

Application	WB, IHC, FC, ICC
Primary Accession	Q16822
Reactivity	Rat
Clonality	Monoclonal
Other Names	
PCK2; PE; PEP carboxykinase; PEPCK; PEPCK M; PEPCK2;	

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	70699 Da

PCK2 Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500 FC~~1:10~50 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human PCK2
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

PCK2 Antibody - Protein Information**Name** PCK2 ([HGNC:8725](#))**Synonyms** PEPCK2**Function**

Mitochondrial phosphoenolpyruvate carboxykinase that 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 (PubMed:28955899). Can play an

active role in glyceroneogenesis and gluconeogenesis (PubMed:28955899). Also acts as a serine/threonine- protein kinase: phosphorylates and activates ACSL4, thereby promoting ferroptosis (PubMed:38720107).

Cellular Location

Mitochondrion

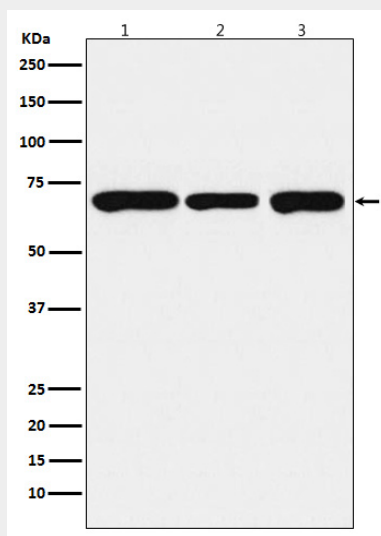
Tissue Location

Widely expressed..

PCK2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PCK2 Antibody - Images

Western blot analysis of PCK2 expression in (1) HepG2 cell lysate; (2) Mouse brain lysate; (3) Rat spleen lysate.