

Rabbit PEPCK/PCK2 Polyclonal Antibody | anti-PEPCK/PCK2 antibody

(KO Validated) PEPCK/PCK2 Polyclonal Antibody

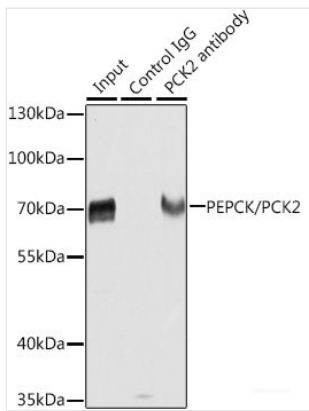
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA22279	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunoprecipitation

PRODUCT SYNONYMS

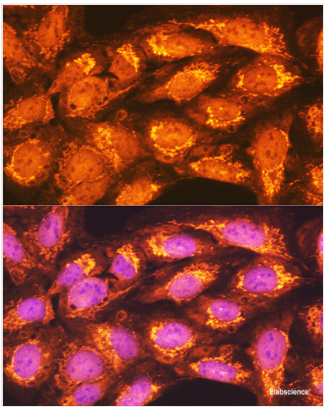
PEPCK/PCK2; Polyclonal Antibody; (KO Validated) PEPCK/PCK2 Polyclonal Antibody; PCK2; PEPCK; PEPCK-M; PEPCK2; phosphoenolpyruvate carboxykinase 2; mitochondrial; anti-PEPCK/PCK2 antibody

PRODUCT SPECIFICATIONS

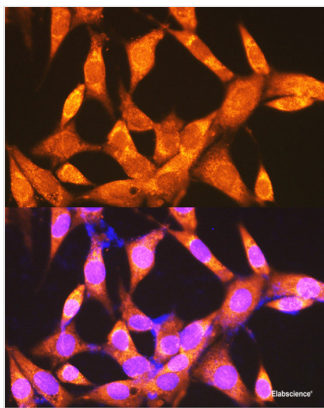
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-PEPCK/PCK2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200 IP: 1:50-1:200
Immunogen	Recombinant fusion protein of human PEPCK/PCK2
Research Area	Cancer, Cardiovascular, Metabolism, Signal Transduction
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.



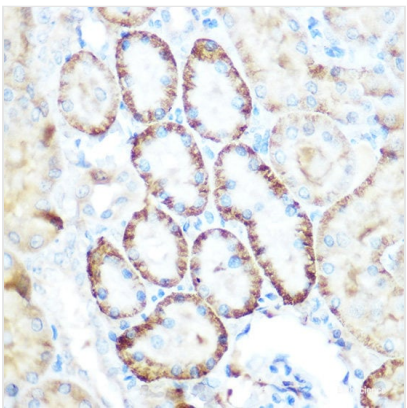
IP (Immunoprecipitation)
Immunoprecipitation analysis of extracts of HepG2 cells using PEPCK/PEPCK/PCK2 Polyclonal Antibody. Western blot was performed from the immunoprecipitate using PEPCK/PEPCK/PCK2 Polyclonal Antibody at a dilution of 1:1000.



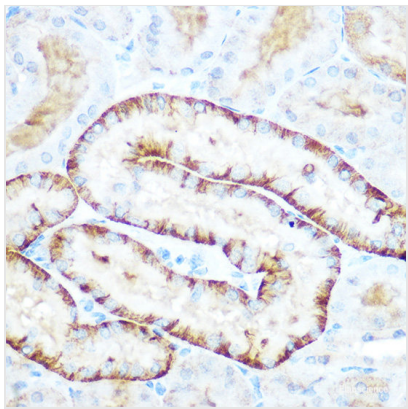
IF (Immunofluorescence)
Immunofluorescence analysis of U2OS cells using PEPCK/PEPCK/PCK2 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



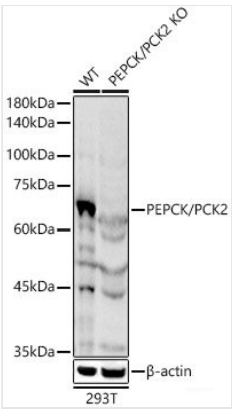
IF (Immunofluorescence)
Immunofluorescence analysis of NIH-3T3 cells using PEPCK/PEPCK/PCK2 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat kidney using PEPCK/PEPCK/PCK2 Polyclonal Antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded mouse kidney using PEPCK/PEPCK/PCK2 Polyclonal Antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



WB (Western Blot)
Western blot analysis of extracts from wild type(WT) and PEPCK/PCK2 knockout (KO) 293T cells using PEPCK/PCK2 Polyclonal Antibody at 1:1000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-
PEPCK/PCK2 antibody

This gene encodes a mitochondrial enzyme that catalyzes the conversion of oxaloacetate to phosphoenolpyruvate in the presence of guanosine triphosphate (GTP). A cytosolic form of this protein is encoded by a different gene and is the key enzyme of gluconeogenesis in the liver. Alternatively spliced transcript variants have been described.

Product Categories/Family for anti-
PEPCK/PCK2 antibody

[Antibodies](#); [Primary Antibodies](#); [Polyclonal Antibody](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	614458223
NCBI GeneID	5106
NCBI Accession #	NP_001018083
NCBI GenBank Nucleotide #	NM_001018073
UniProt Accession #	Q16822; O43253; Q86U01; Q9BV62
Molecular Weight	47,564 Da
NCBI Official Full Name	phosphoenolpyruvate carboxykinase
NCBI Official Synonym Full Names	phosphoenolpyruvate carboxykinase 2 (mitochondrial)
NCBI Official Symbol	PCK2
NCBI Official Synonym Symbols	PEPCK; PEPCK2; PEPCK-M
NCBI Protein Information	phosphoenolpyruvate carboxykinase [GTP], mitochondrial; phosphoenolpyruvate carboxykinase [GTP], mitochondrial; PEP carboxykinase; phosphopyruvate carboxylase
UniProt Protein Name	Phosphoenolpyruvate carboxykinase [GTP], mitochondrial
UniProt Gene Name	PCK2
UniProt Synonym Gene Names	PEPCK2; PEPCK-M
UniProt Entry Name	PCKGM_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://www.aaabiotech.com/polyclonal/pepck-pck2-antibody-western-blot-immunohistochemistry-immunofluorescence-immunoprecipitation-elisa/22279>