

## Product datasheet for **TA379695**

### **PCK2 Rabbit Polyclonal Antibody**

#### **Product data:**

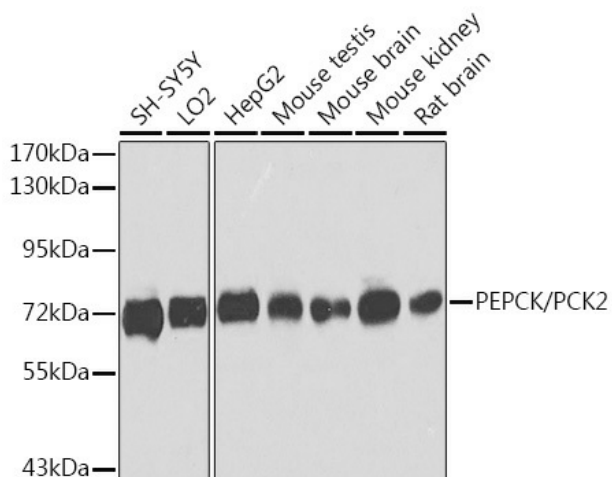
<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IF, IHC, IP, WB
<b>Recommended Dilution:</b>	WB,1:500 - 1:2000 IHC,1:50 - 1:100 IF,1:50 - 1:200 IP,1:20 - 1:100
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Modifications:</b>	Unmodified
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 1-280 of human PEPCK/PEPCK/PCK2 (NP_004554.2).
<b>Formulation:</b>	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity purification
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C. Avoid freeze / thaw cycles.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Predicted Protein Size:</b>	47kDa/70kDa
<b>Gene Name:</b>	phosphoenolpyruvate carboxykinase 2, mitochondrial
<b>Database Link:</b>	<a href="#">Entrez Gene 5106 Human Q16822</a>
<b>Background:</b>	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.



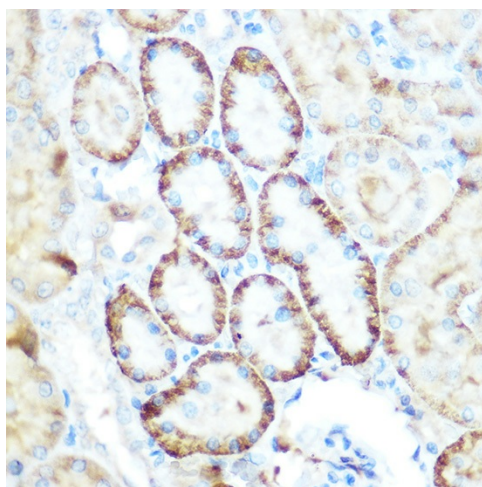
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Synonyms: PE; PEPCK; PEPCK-M; PEPCK2

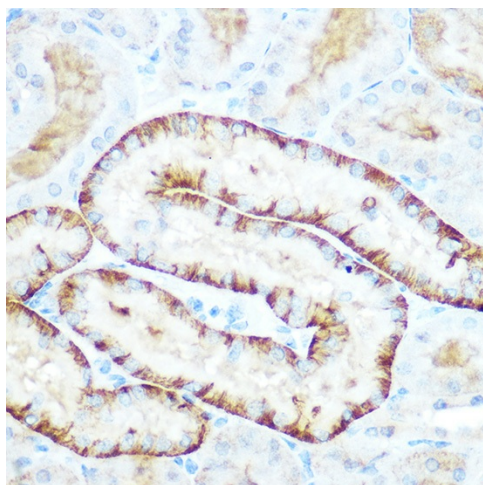
**Product images:**



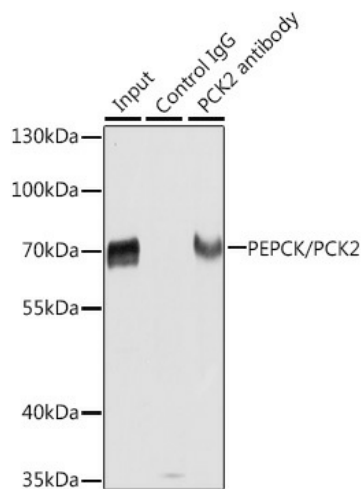
Western blot analysis of extracts of various cell lines, using PEPCK/PEPCK/PCK2 antibody (TA379695) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 10s.



Immunohistochemistry of paraffin-embedded rat kidney using PEPCK/PEPCK/PCK2 Rabbit pAb (TA379695) 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.



Immunohistochemistry of paraffin-embedded mouse kidney using PEPCK/PEPCK/PCK2 Rabbit pAb (TA379695) 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.



Immunoprecipitation analysis of extracts of HepG2 cells using PEPCK/PEPCK/PCK2 antibody (TA379695). Western blot was performed from the immunoprecipitate using PEPCK/PEPCK/PCK2 antibody (TA379695) at a dilution of 1:1000.