

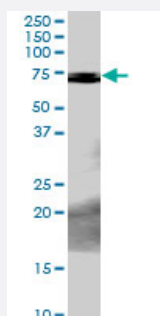
MaxPab®

## PCK2 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00005106-D01

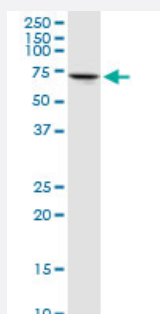
Size 100 uL

### Applications



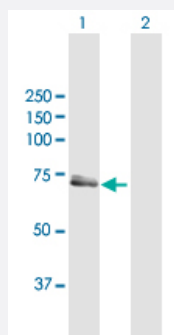
#### Western Blot (Tissue lysate)

PCK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of PCK2 expression in human liver.



#### Western Blot (Cell lysate)

PCK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of PCK2 expression in HepG2.

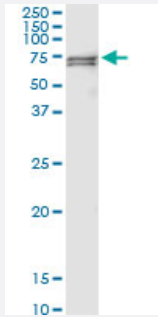


#### Western Blot (Transfected lysate)

Western Blot analysis of PCK2 expression in transfected 293T cell line ([H00005106-T02](#)) by PCK2 MaxPab polyclonal antibody.

Lane 1: PCK2 transfected lysate(70.70 KDa).

Lane 2: Non-transfected lysate.



## Immunoprecipitation

Immunoprecipitation of PCK2 transfected lysate using anti-PCK2 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with PCK2 purified MaxPab mouse polyclonal antibody (B01P) ([H00005106-B01P](#)).

## Specification

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit polyclonal antibody raised against a full-length human PCK2 protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Immunogen</b>               | PCK2 (AAH01454.1, 1 a.a. ~ 640 a.a) full-length human protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Sequence</b>                | MAALYRPGRLRNWHGLSPLGWPSQRSIQTLRVLSGDLGQLPTGIRDFVEHSARLCQPEGIHICDGT<br>EAENTATLTLEQQGLIRKLPKYNNCWLARTDPKDVARVESKTVIVTPSQRDVPLPPGGARGQL<br>GNWMSPADFQRAVDERFPGCMQGRMYVLPFSMGPVGSPLSRIGVQLTDSAYVVASMRIMTRL<br>GTPVLQALGDGDFVKCLHSVGQPLTGQGEVVSQWPCNPEKTLIGHVPDQREIISFGSGYGGNSLL<br>GKKCFALRIASRLARDEGWLAEHMLILGITSPAGKKRYAAAFPSACGKTNLAMMRPALPGWKVE<br>CVGDDIAWMRFDSEGRRLRAINPENGFFGVAPGTSATTNPAMATIQSNTIFTNVAETSDGGVYWE<br>GIDQLPPPGVTVTSWLGKPKWPGDKEPCAHPNSRFCAPARQCPIMDPAWEAPEGVPIDAIIFGG<br>RRPKGVPPLVYEAFNWRHGVFVGSAMRSESTAAAEHKGKIIMHDPFAMRPFFGYNFGHYLEHWLS<br>MEGRKGAQLPRIFHVNWFRRDEAGHFLWPGFGENARVLDWICRRLEGEDSARETPIGLVPKEGA<br>LDLSGLRAIDTTQLFSLPKDFWEQEVRDIRSYLTEQVNQDLPKEVLAELEALERRVHKM |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Quality Control Testing</b> | Antibody reactive against mammalian transfected lysate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage Buffer</b>          | No additive                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Applications

- Western Blot (Tissue lysate)

PCK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of PCK2 expression in human liver.

[Protocol Download](#)

- Western Blot (Cell lysate)

PCK2 MaxPab rabbit polyclonal antibody. Western Blot analysis of PCK2 expression in HepG2.

[Protocol Download](#)

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Western Blot analysis of PCK2 expression in transfected 293T cell line ([H00005106-T02](#)) by PCK2 MaxPab polyclonal antibody.

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- Immunoprecipitation

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[Protocol Download](#)

## Gene Info — PCK2

Entrez GeneID [5106](#)

GeneBank Accession# [BC001454](#)

Protein Accession# [AAH01454.1](#)

Gene Name PCK2

Gene Alias PEPCK, PEPCK-M, PEPCK2

Gene Description phosphoenolpyruvate carboxykinase 2 (mitochondrial)

Omim ID [261650](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a member of the phosphoenolpyruvate carboxykinase (GTP) family. The protein is a mitochondrial enzyme that catalyzes the conversion of oxaloacetate to phosphoenolpyruvate in the presence of GTP. A cytosolic form encoded by a different gene has also been characterized and is the key enzyme of gluconeogenesis in the liver. The encoded protein may serve a similar function, although it is constitutively expressed and not modulated by hormones such as glucagon and insulin that regulate the cytosolic form. Alternatively spliced transcript variants have been described. [provided by RefSeq]

**Other Designations**

OTTHUMP00000164700|PEP carboxykinase|mitochondrial phosphoenolpyruvate carboxykinase  
2|phosphoenolpyruvate carboxylase|phosphopyruvate carboxylase

## Pathway

- [Adipocytokine signaling pathway](#)
- [Citrate cycle \(TCA cycle\)](#)
- [Glycolysis / Gluconeogenesis](#)
- [Insulin signaling pathway](#)
- [Metabolic pathways](#)
- [PPAR signaling pathway](#)
- [Pyruvate metabolism](#)

## Disease

- [Diabetes Mellitus](#)