

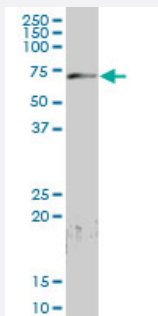
MaxPab®

PCK2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005106-B01P

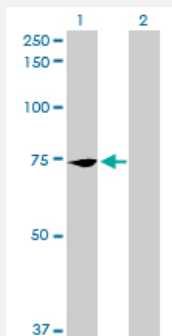
Size 50 ug

Applications



Western Blot (Tissue lysate)

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



Western Blot (Transfected lysate)

Western Blot analysis of PCK2 expression in transfected 293T cell line ([H00005106-T01](#)) by PCK2 MaxPab polyclonal antibody.

Lane 1: PCK2 transfected lysate(70.4 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PCK2 protein.

Immunogen

PCK2 (AAH01454.1, 1 a.a. ~ 640 a.a) full-length human protein.

Sequence	MAALYRPGLRLNWHGLSPLGWPSCRSIQTLRVLSGDLGQLPTGIRDFVEHSARLCQPEGIHICDGT EAENTATLTLEQQGLIRKLPKYNNCWLARTDPKDVARVESKTVIVTPSQRDVPLPPGGARGQL GNWMSPADFQRAVDERFPGCMQGRMYLVPFSMGPVGSPLSRIGVQLTDSAYVVASMRIMTRL GTPVLQALGDGDFVKCLHSVGQPLTGQGEPVSQWPCNPEKTLIGHVPDQREIISFGSGYGGNSLL GKKCFALRIASRLARDEGWLAEHMLILGITSPAGKKRYAAAFPSACGKTNLAMMRPALPGWKVE CVGDDIAWMRFDSEGRRLRAINPENGFFGVAPGTSATTNPAMATIQSNTIFTNVAETSDGGVYWE GIDQPLPPGVTVTSWLGKPWKPGDKEPCAHPNSRFCAPARQCPIMDPAWEAPEGVPIDAIIFGG RRPKGVPLVYEA FNWRHGVFVGSAMRSESTAAAEHKGKIIMHDPFAMRPFFGYNFGHYLEHWLS MEGRKGAQLPRIFHVNWFRRDEAGHFLWPGFGENARVLDWICRRLEGEDSARETPIGLVPKEGA LDLSGLRAIDTTQLFSLPKDFWEQEVRDIRSYLTEQVNQDLPKEVLAELEALERRVHKM
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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- Western Blot (Tissue lysate)

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[Protocol Download](#)

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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](#)