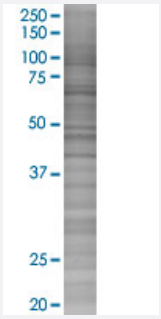
PCK2 293T Cell Transient Overexpression Lysate(Denatured)

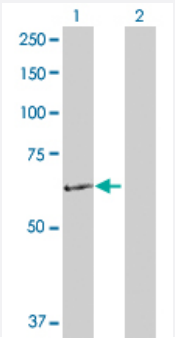
Catalog # H00005106-T02 Size 100 uL

Applications



SDS-PAGE Gel

PCK2 transfected lysate.



Western Blot

Lane 1: PCK2 transfected lysate (70.70 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PCK2 full-length
Host	Human
Theoretical MW (kDa)	70.7
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-PCK2 antibody (H00005106-D01P) by We stern Blots. SDS-PAGE Gel PCK2 transfected lysate. Western Blot Lane 1: PCK2 transfected lysate (70.70 KDa) Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

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