abcam

Product datasheet

Anti-PCK1 antibody ab115693

画像数 2

製品の概要

製品名	Anti-PCK1 antibody
製品の詳細	Goat polyclonal to PCK1
由来種	Goat
アプリケーション	**適用あり:** ELISA, IHC-P
種交差性	**交差種:** Human **交差が予測される動物種:** Mouse, Rat, Cow, Dog, Pig, Xenopus laevis
免疫原	Synthetic peptide: HVNWFRKDKEGK with a Cysteine residue linker, corresponding to internal sequence amino acids 513-524 of Human PCK1 (NP_002582.3). Run BLAST with Run BLAST with
ポジティブ・コントロール	Human kidney and liver tissues.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA
精製度	Protein G purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our Abpromise guarantee covers the use of **ab115693** in the following tested applications.

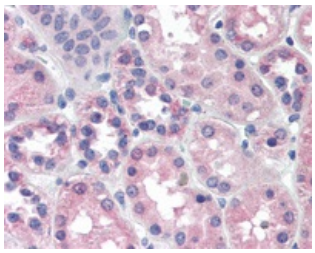
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
ELISA		1/8000.
IHC-P		Use a concentration of 2 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

ターゲット情報

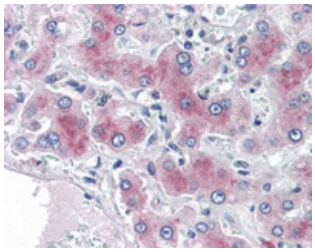
機能	Catalyzes the conversion of oxaloacetate (OAA) to phosphoenolpyruvate (PEP), the rate-limiting step in the metabolic pathway that produces glucose from lactate and other precursors derived from the citric acid cycle.
組織特異性	Major sites of expression are liver, kidney and adipocytes.
パスウェイ	Carbohydrate biosynthesis; gluconeogenesis.
関連疾患	Defects in PCK1 are the cause of cytosolic phosphoenolpyruvate carboxykinase deficiency (cytosolic PEPCK deficiency) [MIM:261680]. PEPCK deficiency is a metabolic disorder resulting from impaired gluconeogenesis. It is a rare disease with less than 10 cases reported in the literature. Clinical characteristics include hypotonia, hepatomegaly, failure to thrive, lactic acidosis and hypoglycemia. Autoposy reveals fatty infiltration of both the liver and kidneys. The disorder is transmitted as an autosomal recessive trait.
配列類似性	Belongs to the phosphoenolpyruvate carboxykinase [GTP] family.
翻訳後修飾	Acetylation is increased on addition of glucose and appears to regulate the protein stability.
細胞内局在	Cytoplasm.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PCK1 antibody (ab115693)

ab115693, at 2µg/ml, staining PCK1 in Formalin-fixed, Paraffin-embedded Human Kidney tissue by Immunohistochemistry followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PCK1 antibody (ab115693)

ab115693, at 2µg/ml, staining PCK1 in Formalin-fixed, Paraffin-embedded Human Liver tissue by Immunohistochemistry followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.

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