

PCK1 polyclonal antibody

Catalog: BS60887

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Normal adjustment to changes in blood glucose levels depends on insulin signaling as well as enzymes involved in the regulation of gluconeogenesis. Pathological changes to this process are central to the type 2 diabetes phenotype. Phosphoenolpyruvate carboxykinase (PEPCK) plays an important role in this process by stimulating hepatic glucose production. PEPCK expression increases in response to glucagon and glucocorticoids, while insulin suppresses expression. Modulation of the signals governing PEPCK levels present a potential therapeutic approach to the treatment of insulin resistance and consequently obesity. The cytosolic form of PEPCK, known as PEPCK-C, and the mitochondrial form, known as PEPCK-M, are encoded by two different nuclear genes in mouse, human and chicken.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 70 kDa

Swiss-Prot:

P35558

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

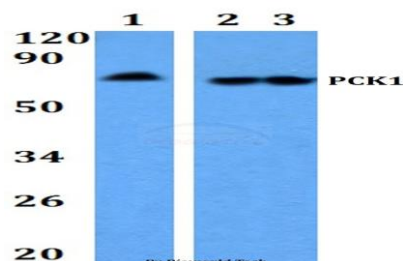
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

PCK1 polyclonal antibody detects endogenous levels of PCK1 protein.

DATA:



Western blot (WB) analysis of PCK1 polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:The intestine tissue lysate of Rat

Note:

For research use only, not for use in diagnostic procedure.

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