

GCKR (R227) polyclonal antibody

Catalog: BS2059

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Glucokinase (also designated hexokinase IV or GCK) plays a key role in the regulation of glucose-induced insulin secretion. GCK is expressed in pancreatic beta cells, where it functions as a glucose sensor, determining the "set point" for insulin secretion. GCK is also expressed in the liver, where it catalyzes the first step in the disposal of glucose. A lack of glucokinase activity leads to reduced insulin secretion and hyperglycemia and has been implicated as a cause for maturity onset diabetes of the youth (MODY). Heterozygous point mutations in the gene encoding GCK have been detected in individuals suffering from MODY. GCK is regulated by GCKR (glucokinase regulatory protein). GCKR is a 68 kDa protein which is expressed in pancreatic beta cells and in the liver.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 68 kDa

Swiss-Prot:

Q14397

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

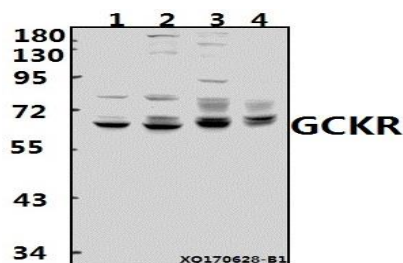
Storage&Stability:

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

Specificity:

GCKR (R227) polyclonal antibody detects endogenous levels of GCKR protein.

DATA:



Western blot (WB) analysis of GCKR (R227) polyclonal antibody at 1:500 dilution

Lane1: AML-12 whole cell lysate(40ug)

Lane2: PC12 whole cell lysate(40ug)

Lane3: LO2 whole cell lysate(40ug)

Lane4: HepG2 whole cell lysate(40ug)

Note:

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

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