

GCKR Ab

Cat.#: AF0569
Size: 100ul,200ul

Concn.: 1mg/ml
Source: Rabbit

Mol.Wt.: 68kDa
Clonality: Polyclonal

Application: WB 1:500-1:2000

Reactivity: Human, Mouse, Rat

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Specificity: GCKR Ab detects endogenous levels of GCKR.

Immunogen: A synthesized peptide derived from human GCKR.

Uniprot: Q14397

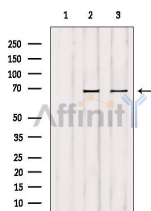
Description: This gene encodes a protein belonging to the GCKR subfamily of the SIS (Sugar ISomerase) family of proteins. The gene product is a regulatory protein that inhibits glucokinase in liver and pancreatic islet cells by binding non-covalently to form an inactive complex with the enzyme. This gene is considered a susceptibility gene candidate for a form of maturity-onset diabetes of the young (MODY).

Subcellular Location: Nucleus;

Tissue Specificity: Found in liver and pancreas. Not detected in muscle, brain, heart, thymus, intestine, uterus, adipose tissue, kidney, adrenal, lung or spleen.

Similarity: Fructose 1-phosphate and fructose 6-phosphate compete for the same binding site. Belongs to the GCKR family.

Storage Condition and Buffer: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

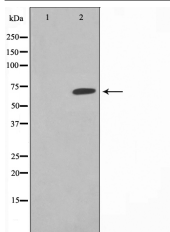


Western blot analysis of extracts from various samples, using GCKR Ab.

Lane 1: mouse lung treated with blocking peptide.

Lane 2: mouse lung;

Lane 3: HUVEC;



Western blot analysis on mouse heart cell lysate using HELA Ab, The lane on the left is treated with the antigen-specific peptide.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

For Research Use Only. Not for use in diagnostic and therapeutic procedures. Not for resale without express authorization.