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GCKR Ab

Cat.#: AF0569 Concn.: 1mg/ml Mol.Wt.: 68kDa Size: 100ul,200ul Source: Rabbit 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 noncovalently 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.



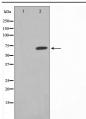
Western blot analysis of extracts from various samples, using GCKR Ab.

Lane 1: mouse lung treated with blocking peptide.

Lane 2: mouse lung; Lane 3: HUVEC;



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

<code>IMPORTANT:</code> For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween020 at 4° C with gentle shaking, overnight.

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