

Note: Centrifuge before opening to ensure complete recovery of vial contents.

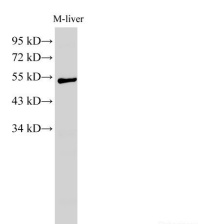
Description

Reactivity	Human,Mouse
Immunogen	Recombinant Mouse Glucokinase protein
Host	Rabbit
Isotype	IgG
Purification	Antigen Affinity Purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% Proclin300 and 50% glycerol, pH7.4.

Applications Recommended Dilution

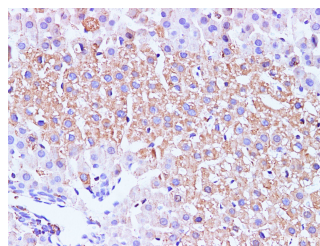
WB	1:1000-1:2000
IHC	1:100-1:200
IF	1:100-1:400

Data

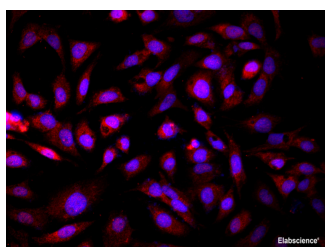


Western Blot analysis of Mouse liver using GCK Polyclonal Antibody at dilution of 1:1000

Observed Mw:52kDa
Calculated Mw:52 kDa



Immunohistochemistry of paraffin-embedded Mouse liver using GCK Polyclonal Antibody at dilution of 1:100



Immunofluorescence analysis of HepG2 cells using GCK Polyclonal Antibody at dilution of 1:100

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. Alternative splicing of this gene results in three tissue-specific forms of glucokinase, one found in pancreatic islet beta

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GCK Polyclonal Antibody

Catalog Number:E-AB-40270



cells and two found in liver. The protein localizes to the outer membrane of mitochondria. In contrast to other forms of hexokinase, this enzyme is not inhibited by its product glucose-6-phosphate but remains active while glucose is abundant. Mutations in this gene have been associated with non-insulin dependent diabetes mellitus (NIDDM), maturity onset diabetes of the young, type 2 (MODY2) and persistent hyperinsulinemic hypoglycemia of infancy (PHHI).

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