

A0431

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Glucokinase (GCK) Rabbit pAb

Catalog No.: A0431

Basic Information

Observed MW

Refer to figures

Calculated MW

52kDa

Category

Polyclonal Antibody

Applications

WB, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a member of the hexokinase family of proteins. Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. 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. The use of multiple promoters and alternative splicing of this gene result in distinct protein isoforms that exhibit tissue-specific expression in the pancreas and liver. In the pancreas, this enzyme plays a role in glucose-stimulated insulin secretion, while in the liver, this enzyme is important in glucose uptake and conversion to glycogen. Mutations in this gene that alter enzyme activity have been associated with multiple types of diabetes and hyperinsulinemic hypoglycemia.

Recommended Dilutions

WB 1:200 - 1:1000

Immunogen Information

Gene ID

2645

Swiss Prot

P35557

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human Glucokinase (Glucokinase (GCK)) (NP_000153.1).

Synonyms

GK; GLK; HK4; HHF3; HKIV; HXKP; LGLK; MODY2; PNDM1; FGQL3; Glucokinase (GCK)

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.