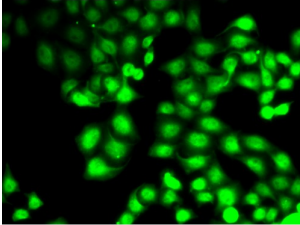


Abbexa Ltd, Innovation Centre, Cambridge Science Park, Cambridge, CB4 0EY, UK
Telephone: +44 (0) 1223 755950 - Fax: +44 (0) 1223 755951 - E-Mail: info@abbexa.com

Glucokinase (GCK) Antibody

Catalogue No.: abx000717



Immunofluorescence analysis of HeLa cells using GCK antibody (abx000717).

GCK Antibody is a Rabbit Polyclonal antibody against GCK. 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 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).

Target: GCK

Reactivity: Human

Host: Rabbit

Clonality: Polyclonal

Tested Applications: IF/ICC

Recommended dilutions: IF/ICC: 1/20 - 1/100. Optimal dilutions/concentrations should be determined by the end user.

Immunogen: Recombinant fusion protein of human GCK.

Purification: Affinity purified.

Form: Liquid

Isotype: IgG

Conjugation: Unconjugated

Storage: Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

Abbexa Ltd, Innovation Centre, Cambridge Science Park, Cambridge, CB4 0EY, UK
Telephone: +44 (0) 1223 755950 - Fax: +44 (0) 1223 755951 - E-Mail: info@abbexa.com

Molecular Weight: Calculated MW: 52 kDa

Swiss Prot: [P35557](#)

GeneID: [2645](#)

Gene Symbol: GCK

Concentration: > 1 mg/ml

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

Note: This product is for research use only.