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# Datasheet for ABIN7429088 anti-GCK antibody (AA 3-226)

3 Images



#### Overview

| Quantity:            | 100 µL  |
|----------------------|---|
| Target:              | GCK   |
| Binding Specificity: | AA 3-226  |
| Reactivity:          | Mouse   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This GCK antibody is un-conjugated  |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP),<br>Immunocytochemistry (ICC) |

### Product Details

| Purpose:          | Polyclonal Antibody to Glucokinase (GCK)   |
|-------------------|--|
| Immunogen:        | Recombinant Glucokinase (GCK) corresdonding to Asp3~Val226   |
| Isotype:          | lgG  |
| Specificity:      | The antibody is a rabbit polyclonal antibody raised against GCK. It has been selected for its ability to recognize GCK in immunohistochemical staining and western blotting. |
| Cross-Reactivity: | Human, Rat   |
| Purification:     | Antigen-specific affinity chromatography followed by Protein A affinity chromatography   |

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### Target Details

| Target:           | GCK   |
|-------------------|---|
| Alternative Name: | Glucokinase (GCK Products)  |
| Background:       | GK, GLK, HHF3, HK4, HKIV, HXKP, MODY2, Hexokinase-D, Hexokinase 4, Maturity Onset<br>Diabetes Of The Young 2  |
| Pathways:         | MAPK Signaling, Positive Regulation of Peptide Hormone Secretion, Carbohydrate Homeostasis<br>, Cellular Glucan Metabolic Process, Regulation of Carbohydrate Metabolic Process |

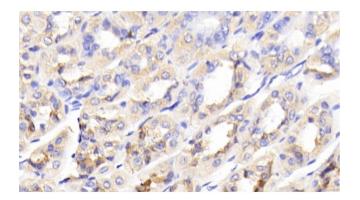
# Application Details

| Application Notes: | Western blotting: 0.5-2 µg/mL  |
|--------------------|--|
|                    | Immunohistochemistry: 5-20 µg/mL   |
|                    | Immunocytochemistry: 5-20 µg/mL  |
|                    | Optimal working dilutions must be determined by end user.  |
| Comment:           | The thermal stability is described by the loss rate. The loss rate was determined by accelerated |
|                    | thermal degradation test, that is, incubate the protein at $37^\circ$ C for 48h, and no obvious  |
|                    | degradation and precipitation were observed. The loss rate is less than 5% within the expiration |
|                    | date under appropriate storage condition.  |
| Restrictions:      | For Research Use only  |

# Handling

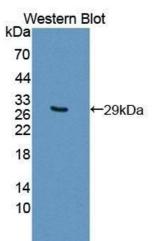
| Format:            | Liquid  |
|--------------------|---|
| Buffer:            | 0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.  |
| Preservative:      | ProClin   |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.   |
| Storage:           | 4 °C,-20 °C   |
| Storage Comment:   | Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. |
| Expiry Date:       | 24 months   |

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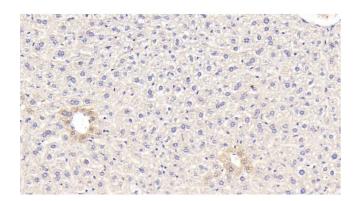
#### Immunohistochemistry

**Image 1.** Detection of GCK in Mouse Stomach Tissue using Polyclonal Antibody to Glucokinase (GCK)



#### Western Blotting

**Image 2.** Detection of Recombinant GCK, Mouse using Polyclonal Antibody to Glucokinase (GCK)



#### Immunohistochemistry

**Image 3.** Detection of GCK in Mouse Liver Tissue using Polyclonal Antibody to Glucokinase (GCK)

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