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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), 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 Diabetes Of The Young 2
Pathways:	MAPK Signaling, Positive Regulation of Peptide Hormone Secretion, Carbohydrate Homeostasis , Cellular Glucan Metabolic Process, Regulation of Carbohydrate Metabolic Process

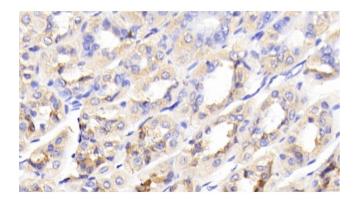
Application Details

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° 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

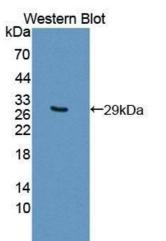
Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent 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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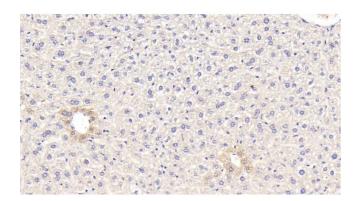
Immunohistochemistry

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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