Datasheet for ABIN1714378

anti-G6PC2 antibody (AA 31-130)

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Overview

Quantity:	100 µL
Target:	G6PC2
Binding Specificity:	AA 31-130
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This G6PC2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Glucose 6 phosphatase 2/IGRP
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Cow,Sheep,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	G6PC2
Alternative Name:	Glucose 6 phosphatase 2/IGRP (G6PC2 Products)
Background:	Synonyms: G 6 Pase 2, G 6 Pase2, G6Pase 2, G6Pase2, G6PC 2, G6pc rs, G6pcrs, Glucose 6

Target Details

	phosphatase 2, Glucose 6 phosphatase, catalytic, 2, Glucose 6 phosphatase, catalytic, related, Glucose 6 phosphate catalytic 2, Islet specic G6CP related protein, Islet specic glucose 6 phosphatase, Islet specic glucose 6 phosphatase catalytic subunit related protein, G6PC2_HUMAN. Background: Glucose-6-phosphatase (G6Pase), is a multicomponent enzyme system that hydrolyzes glucose-6-phosphate in the final step of gluconeogenesis and gluconeolysis. G6Pase localizes to the endoplasmic reticulum, and while liver, kidney, and intestine are the only tissues that express the first identified isoform, G6Pase-alpha, a second form, designated G6Pase-, contributes to blood glucose homeostasis in a wider range of tissues. Islet-specific G-6-Pase catalytic subunit-related protein (IGRP), a homolog of the catalytic subunit of G6Pase, may play a role in the regulation of islet metabolism and in insulin secretion induced by metabolites. The exact catalytic acivity of IGRP is not defined. Identification of inhibitors of IGRP have potential therapeutic benefits for treatment of type 2 diabetes resulting from insulin secretion defects. Structurally, IGRP has been shown to be a glycoprotein held in the endoplasmic reticulum by nine transmembrane domains, which are then degraded in cells through the proteasome pathway generating MHC class I presented peptides.
Gene ID:	57818

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 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:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Handling

Expiry Date:	12 months

