Datasheet for ABIN708328

anti-PHKG2 antibody (AA 81-180) (Biotin)

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Overview

Quantity:	100 µL
Target:	PHKG2
Binding Specificity:	AA 81-180
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHKG2 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PHKG2
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PHKG2
Alternative Name:	PHKG2 (PHKG2 Products)

Target Details

Background:	Synonyms: GSD9C, PHK gamma LT, PHK gamma T, Phosphorylase b kinase gamma catalytic chain testis/liver isoform, Phosphorylase b kinase gamma catalytic chain, liver/testis isoform, Phosphorylase kinase gamma subunit 2, Phosphorylase kinase subunit gamma 2, Phosphorylase kinase, gamma 2 testis, PHKG2_HUMAN, Phosphorylase kinase, gamma 2 testis/liver, PSK C3, Serine/threonine protein kinase PHKG2. Background: Phosphorylase kinase is a polymer of 16 subunits, four each of alpha, beta, gamma and delta. The alpha subunit includes the skeletal muscle and hepatic isoforms, encoded by two different genes. The beta subunit is the same in both the muscle and hepatic isoforms, and encoded by one gene. The gamma subunit also includes the skeletal muscle and hepatic isoforms, and the hepatic isoform is encoded by this gene. The delta subunit is a calmodulin and can be encoded by three different genes. The gamma subunits contain the active site of the enzyme, whereas the alpha and beta subunits have regulatory functions controlled by phosphorylation. The delta subunit mediates the dependence of the enzyme on calcium concentration. Mutations in this gene cause glycogen storage disease type 9C, also known as autosomal liver glycogenosis. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene.
Gene ID:	5261
Pathways:	Cellular Glucan Metabolic Process, Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

	handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months

