Datasheet for ABIN7269367

anti-PHKA1 antibody (AA 600-820)

1 Image

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Overview

Quantity:	100 µL
Target:	PHKA1
Binding Specificity:	AA 600-820
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHKA1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	PHKA1 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 600-820 of human PHKA1 (NP_001116142.1).
Sequence:	QTGKLSEFLT TSCCTHLSFM DPGPEGKLYS EDYDDNYDYL ESGNWMNDYD STSHARCGDE VARYLDHLLA HTAPHPKLAP TSQKGGLDRF QAAVQTTCDL MSLVTKAKEL HVQNVHMYLP TKLFQASRPS FNLLDSPHPR QENQVPSVRV EIHLPRDQSG EVDFKALVLQ LKETSSLQEQ ADILYMLYTM KGPDWNTELY NERSATVREL LTELYGKVGE I
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Product Details

Purification:	Affinity purification

Target Details

Target:	PHKA1
Alternative Name:	PHKA1 (PHKA1 Products)
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, and the skeletal muscle isoform is encoded by this gene. 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, which are encoded by two different genes. 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 9D, also known as X-linked muscle glycogenosis. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene. A pseudogene has been found on chromosome 1.,PHKA1,PHKA,Cancer,Signal Transduction,Kinase,Endocrine & Metabolism,Carbohydrate metabolism,Neuroscience,Calcium Signaling,PHKA1
Molecular Weight:	129kDa/135kDa/137kDa
Gene ID:	5255
UniProt:	P46020
Pathways:	Cellular Glucan Metabolic Process

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

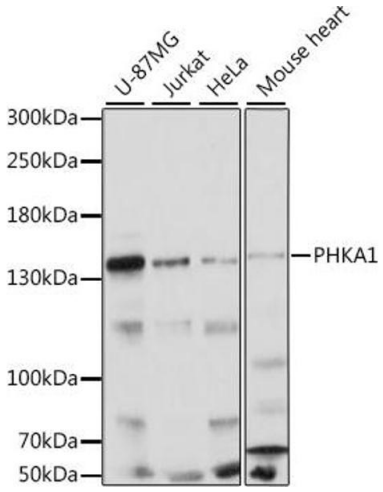
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using PHK antibody (5700) at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 10s.