

Datasheet for ABIN6145563
anti-PHKG2 antibody (AA 237-406)



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5 Images

Overview

Quantity:	100 µL
Target:	PHKG2
Binding Specificity:	AA 237-406
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHKG2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 237-406 of human PHKG2 (NP_000285.1).
Sequence:	RQILMLRMIM EGQYQFSSPE WDRSSTVKD LISRLQVDP EARLTAEQAL QHPFFERCEG SQPWNLTQRQ RFRVAVWTVL AAGRVALSTH RVRPLTKNAL LRDYPALRSV RHLIDNCAFR LYGHWVKKGE QQNRAALFQH RPPGPFPI MG PEEEGD SAAI TEDEAVLVLG
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PHKG2
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Target Details

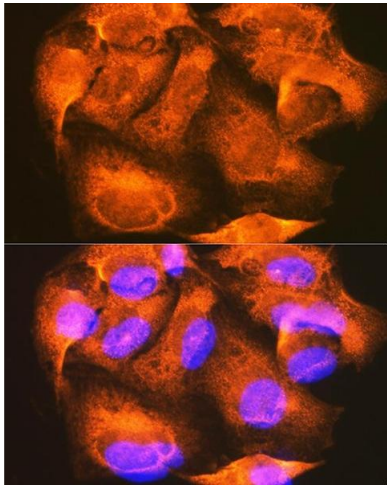
Alternative Name:	PHKG2 (PHKG2 Products)
Background:	<p>Phosphorylase kinase is a polymer of 16 subunits, four each of alpha, beta, gamma and delta. The alpha subunit includes the skeletal muscle and hepatic isoforms, encoded by two different genes. The beta subunit is the same in both the muscle and 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.</p> <p>PHKG2,GSD9C,Cancer,Signal Transduction,Kinase,Endocrine & Metabolism,Carbohydrate metabolism,PHKG2</p>
Molecular Weight:	43 kDa/46 kDa
Gene ID:	5261
UniProt:	P15735
Pathways:	Cellular Glucan Metabolic Process , Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

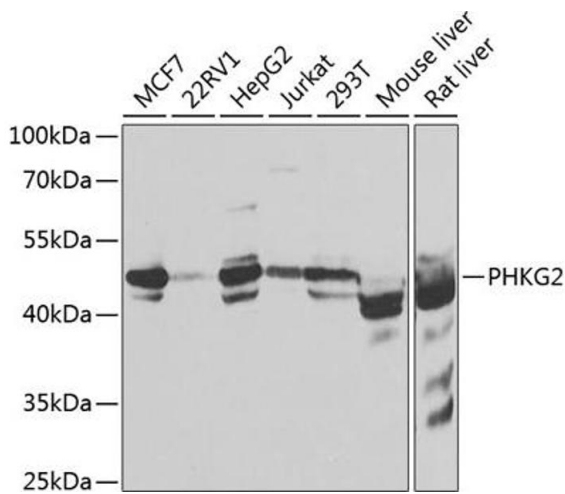
Handling

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



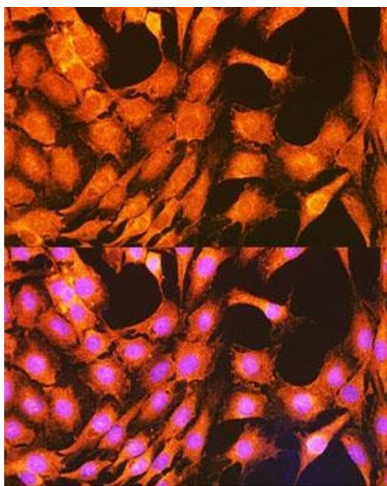
Immunofluorescence

Image 1. Immunofluorescence analysis of U-2 OS cells using PHKG2 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using PHKG2 antibody 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: 30s.



Immunofluorescence

Image 3. Immunofluorescence analysis of C6 cells using PHKG2 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6145563.