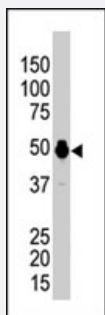


# PHKG2 polyclonal antibody

Catalog # PAB2795

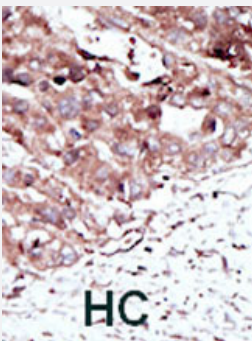
Size 400 uL

## Applications



### Western Blot (Tissue lysate)

The PHKG2 polyclonal antibody (Cat # PAB2795) is used in Western blot to detect PHKG2 in mouse kidney tissue lysate.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with PHKG2 polyclonal antibody (Cat # PAB2795), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated. HC = hepatocarcinoma.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of PHKG2.
<b>Immunogen</b>	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PHKG2.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse
<b>Form</b>	Liquid
<b>Purification</b>	Protein G purification

<b>Recommend Usage</b>	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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## Gene Info — PHKG2

<b>Entrez GeneID</b>	<a href="#">5261</a>
<b>Protein Accession#</b>	<a href="#">P15735</a>
<b>Gene Name</b>	PHKG2
<b>Gene Alias</b>	GSD9C
<b>Gene Description</b>	phosphorylase kinase, gamma 2 (testis)
<b>Omim ID</b>	<a href="#">172471</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	O
<b>Other Designations</b>	Phosphorylase kinase, gamma 2 (testis/liver)

## Publication Reference

- [Liver glycogenosis due to phosphorylase kinase deficiency: PHKG2 gene structure and mutations associated with cirrhosis.](#)

Burwinkel B, Shiomi S, Al Zaben A, Kilimann MW.

Human Molecular Genetics 1998 Jan; 7(1):149.

- [Mutations in the testis/liver isoform of the phosphorylase kinase gamma subunit \(PHKG2\) cause autosomal liver glycogenosis in the gsd rat and in humans.](#)

Maichele AJ, Burwinkel B, Maire I, Sovik O, Kilimann MW.

Nature Genetics 1996 Nov; 14(3):337.

Application: IHC, WB-Ti, Human, Rat, Livers

- [Isolation and characterization of transcribed sequences from a chromosome 16 hn-cDNA library and the physical mapping of genes and transcribed sequences using a high-resolution somatic cell panel of human chromosome 16.](#)

Whitmore SA, Apostolou S, Lane S, Nancarrow JK, Phillips HA, Richards RI, Sutherland GR, Callen DF.

Genomics 1994 Mar; 20(2):169.

## Pathway

- [Calcium signaling pathway](#)
- [Insulin signaling pathway](#)