

Datasheet for ABIN391341  
**anti-PHKG2 antibody (N-Term)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	400 µL
Target:	PHKG2
Binding Specificity:	AA 41-71, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PHKG2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This PHKG2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 41-71 amino acids from the N-terminal region of human PHKG2.
Clone:	RB3699
Isotype:	Ig Fraction
Predicted Reactivity:	B
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	PHKG2
---------	-------

## Target Details

Alternative Name:	PHKG2 ( <a href="#">PHKG2 Products</a> )
Background:	<p>Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the <math>\gamma</math> phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The STE group (homologs of yeast Sterile 7, 11, 20 kinases) consists of 50 kinases related to the mitogen-activated protein kinase (MAPK) cascade families (Ste7/MAP2K, Ste11/MAP3K, and Ste20/MAP4K). MAP kinase cascades, consisting of a MAPK and one or more upstream regulatory kinases (MAPKKs) have been best characterized in the yeast pheromone response pathway. Pheromones bind to Ste cell surface receptors and activate yeast MAPK pathway. The calcium/calmodulin-dependent kinase (CAMK) group consists of 75 kinases regulated by <math>\text{Ca}^{2+}</math>/CaM and close relative family (CAMK, CAMKL, DAPK, MAPKAPK).</p>
Molecular Weight:	46442
Gene ID:	5261
NCBI Accession:	<a href="#">NP_000285</a> , <a href="#">NP_001165903</a>
UniProt:	<a href="#">P15735</a>
Pathways:	<a href="#">Cellular Glucan Metabolic Process</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a>

## Application Details

Application Notes:	WB: 1:1000. WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

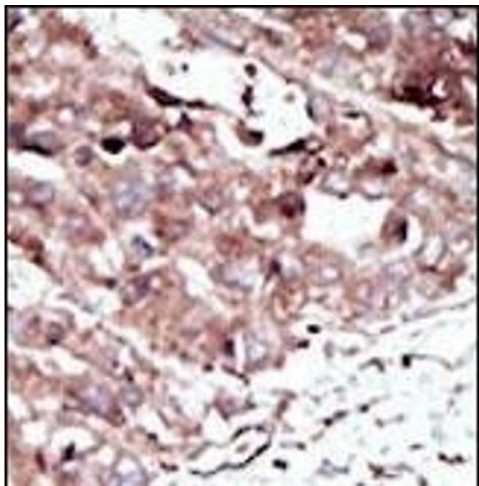
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

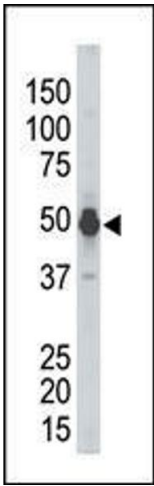
	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Images



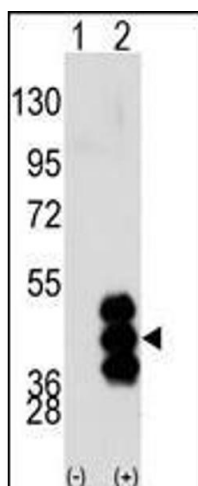
Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, 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. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

**Image 2.** The anti-PHKG2 Pab (ABIN391341 and ABIN2841365) is used in Western blot to detect PHKG2 in mouse kidney tissue lysate.



#### Western Blotting

**Image 3.** Western blot analysis of PHKG2 (arrow) using PHKG2 Antibody (N-term) (ABIN391341 and ABIN2841365). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the PHKG2 gene (Lane 2) (Origene Technologies).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN391341.