

Datasheet for ABIN6243948
anti-PHKG2 antibody (AA 304-334)[Go to Product page](#)

4 Images

Overview

Quantity:	400 µL
Target:	PHKG2
Binding Specificity:	AA 304-334
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 304-334 amino acids from the Central region of human PHKG2.
Clone:	RB03701-03702
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PHKG2
Alternative Name:	PHKG2 (PHKG2 Products)
Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor,

Target Details

generally the γ 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.

Molecular Weight: 46442

NCBI Accession: [NP_000285](#), [NP_001165903](#)

UniProt: [P15735](#)

Pathways: [Cellular Glucan Metabolic Process](#), [Regulation of Carbohydrate Metabolic Process](#)

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

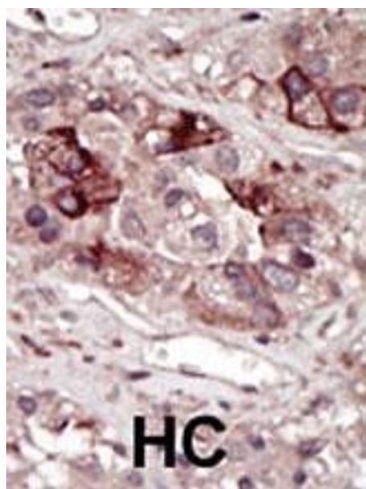
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

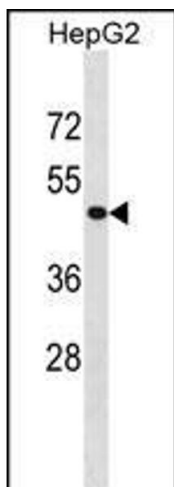
Storage: 4 °C, -20 °C

Expiry Date: 6 months



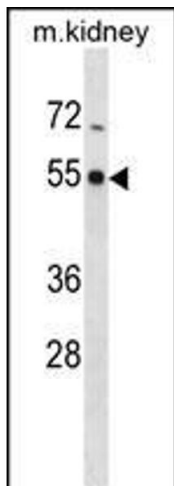
Immunohistochemistry (Paraffin-embedded Sections)

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 DAB 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. PHKG2 Antibody (ABIN486348 and ABIN1535729) (ABIN6243948 and ABIN6578984) western blot analysis in HepG2 cell line lysates (35 µg/lane). This demonstrates the PHKG2 antibody detected the PHKG2 protein (arrow).



Western Blotting

Image 3. PHKG2 Antibody (ABIN486348 and ABIN1535729) (ABIN6243948 and ABIN6578984) western blot analysis in mouse kidney tissue lysates (35 µg/lane). This demonstrates the PHKG2 antibody detected the PHKG2 protein (arrow).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6243948.