

Rabbit anti-Human, Mouse PHKG2 Polyclonal Antibody | anti-PHKG2 antibody

PHKG2 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290698	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

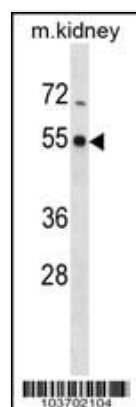
PRODUCT SYNONYMS

PHKG2; Polyclonal Antibody; PHKG2 Antibody (Center); Phosphorylase b kinase gamma catalytic chain; liver/testis isoform; PHK-gamma-LT; PHK-gamma-T; PSK-C3; Phosphorylase kinase subunit gamma-2; anti-PHKG2 antibody

PRODUCT SPECIFICATIONS

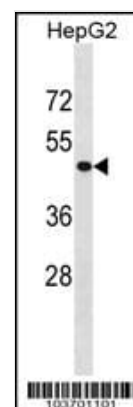
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Ig
Specificity	This PHKG2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 304-334 amino acids from the Central region of human PHKG2.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Length	406
Applicable Applications for anti-PHKG2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Subtitle	Purified Rabbit Polyclonal Antibody (Pab)
Antigen Region	304-334 aa
Antigen Type	Synthetic Peptide
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



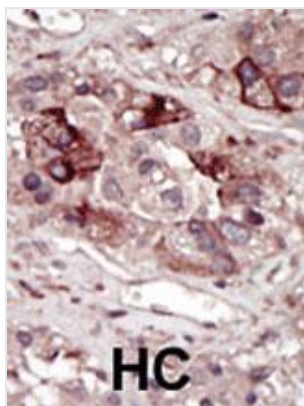
WB (Western Blot)

PHKG2 Antibody (G319) western blot analysis in mouse kidney tissue lysates (35ug/lane). This demonstrates the PHKG2 antibody detected the PHKG2 protein (arrow).



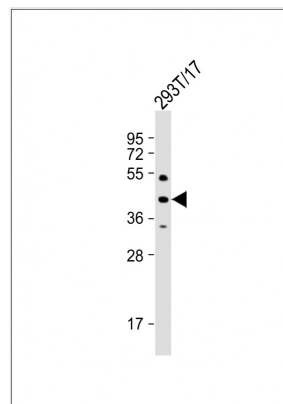
WB (Western Blot)

PHKG2 Antibody (G319) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the PHKG2 antibody detected the PHKG2 protein (arrow).



IHC (Immunohistochemistry)

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.



WB (Western Blot)

Anti-PHKG2-G319 at 1:1000 dilution + 293T/17 whole cell lysate. Lysates/proteins at 20 ug per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 46 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-PHKG2 antibody	Description: Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, 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. Background: Catalytic subunit of the phosphorylase b kinase (PHK), which mediates the neural and hormonal regulation of glycogen breakdown (glycogenolysis) by phosphorylating and thereby activating glycogen phosphorylase. May regulate glycogeneolysis in the testis. In vitro, phosphorylates PYGM (By similarity).
Product Categories/Family for anti-PHKG2 antibody	Primary Antibodies ; Cancer ; Signal Transduction
References	Burwinkel, B., et al., Hum. Mol. Genet. 7 (1):149-154 (1998). Maichele, A.J., et al., Nat. Genet. 14 (3):337-340 (1996). Whitmore, S.A., et al., Genomics 20 (2):169-175 (1994). Hanks, S.K., Mol. Endocrinol. 3 (1):110-116 (1989). Hanks, S.K., Proc. Natl. Acad. Sci. U.S.A. 84 (2):388-392 (1987).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505785
NCBI GeneID	5261
NCBI Accession #	NP_000285.1
NCBI GenBank Nucleotide #	NM_000294.2
UniProt Accession #	P15735; P11800; A8K0C7; B4DEB7; E9PEU3
Molecular Weight	46442 Da
NCBI Official Full Name	phosphorylase b kinase gamma catalytic chain, liver/testis isoform isoform 1
NCBI Official Synonym Full Names	phosphorylase kinase catalytic subunit gamma 2
NCBI Official Symbol	PHKG2

NCBI Official Synonym Symbols	GSD9C
NCBI Protein Information	phosphorylase b kinase gamma catalytic chain, liver/testis isoform
UniProt Protein Name	Phosphorylase b kinase gamma catalytic chain, liver/testis isoform
UniProt Gene Name	PHKG2
UniProt Synonym Gene Names	PHK-gamma-LT; PHK-gamma-T
UniProt Entry Name	PHKG2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/phkg2-antibody-immunohistochemistry-western-blot-elisa/290698>