

Rabbit anti-Human PHKG1 Polyclonal Antibody | anti-PHKG1 antibody

PHKG1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325410	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

PHKG1; Polyclonal Antibody; PHKG1 Antibody; PHK gamma M; PHK-gamma-M; Phkg; PHKG1_HUMAN; PHKIN01; Phosphorylase b kinase gamma catalytic chain; Phosphorylase b kinase gamma catalytic chain skeletal muscle/heart isoform; phosphorylase b kinase gamma catalytic chain; skeletal muscle isoform; phosphorylase kinase gamma; phosphorylase kinase subunit gamma 1; Phosphorylase kinase subunit gamma-1; phosphorylase kinase; gamma 1 (muscle); Phosphorylase kinase; muscle; gamma-1; Serine/threonine-protein kinase PHKG1; skeletal muscle/heart isoform; anti-PHKG1 antibody

PRODUCT SPECIFICATIONS

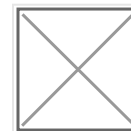
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	PHKG1 antibody detects endogenous levels of total PHKG1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	419
Applicable Applications for anti-PHKG1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Predicted Cross Reactivity	Rabbit
Similarity	Rabbit (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA325410 staining HuvEc cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HuvEc cells using PHKG1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PHKG1 antibody	Function: 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. In vitro, phosphorylates PYGM, TNNI3, MAPT/TAU, GAP43 and NRGN/RC3 (By similarity). Subunit Structure: Hexadecamer of 4 heterotetramers, each composed of alpha, beta, gamma, and delta subunits. Alpha (PHKA1 or PHKA2) and beta (PHKB) are regulatory subunits, gamma (PHKG1 or PHKG2) is the catalytic subunit, and delta is calmodulin. Similarity: The two calmodulin-binding domains appear to act in concert to bind a single molecule of calmodulin and are pseudosubstrate/autoinhibitory domains. Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	386642885
NCBI GeneID	5260
NCBI Accession #	NP_001245388.1
NCBI GenBank Nucleotide #	NM_001258459.1
UniProt Accession #	Q16816; Q75LP5; B7Z1D0; F5H2S1
Molecular Weight	Observed: 45 kD Predicted: 46 kDa
NCBI Official Full Name	phosphorylase b kinase gamma catalytic chain, skeletal muscle/heart isoform isoform 1
NCBI Official Synonym Full Names	phosphorylase kinase catalytic subunit gamma 1
NCBI Official Symbol	PHKG1
NCBI Official Synonym Symbols	PHKG
NCBI Protein Information	phosphorylase b kinase gamma catalytic chain, skeletal muscle/heart isoform
UniProt Protein Name	Phosphorylase b kinase gamma catalytic chain, skeletal muscle/heart isoform
UniProt Gene Name	PHKG1
UniProt Synonym Gene Names	PHKG; PHK-gamma-M

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/phkg1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325410>