10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-PHKG1 Antibody

Catalog # AP59661

Product Information

Application	WB, IF/IC
Primary Accession	Q16816
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45024

Additional Information

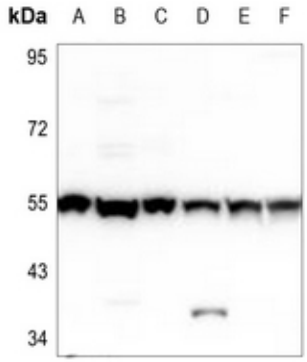
Gene ID	5260
Other Names	PHKG; Phosphorylase b kinase gamma catalytic chain, skeletal muscle/heart isoform; PHK-gamma-M; Phosphorylase kinase subunit gamma-1; Serine/threonine-protein kinase PHKG1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PHKG1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

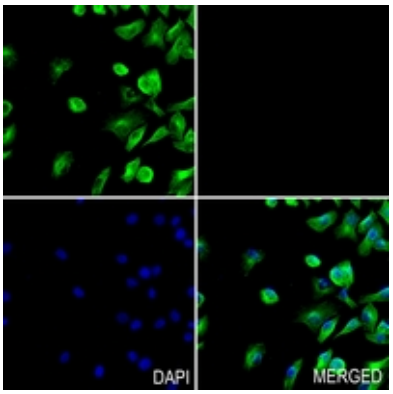
Name	PHKG1
Synonyms	PHKG
Function	Catalytic subunit of the phosphorylase b kinase (PHK), which mediates the neural and hormonal regulation of glycogen breakdown (glycogenolysis) by phosphorylating and thereby activating glycogen phosphorylase. In vitro, phosphorylates PYGM, TNNI3, MAPT/TAU, GAP43 and NRGN/RC3 (By similarity).

Images

Western blot analysis of PHKG1 expression in SHSY5Y (A),



EC9706 (B), HCT116 (C), H9C2 (D), BV2 (E), rat brain (F) whole cell lysates. (Predicted band size: 45 kD; Observed band size: 55 kD)



Immunofluorescent analysis of PHKG1 staining in PANC1 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.