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

PHKG1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50061

Specification

PHKG1 Antibody - Product Information

Application	**WB**
Primary Accession	Q16816
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**45,49 KDa**
Antigen Region	**252-286**

PHKG1 Antibody - Additional Information

Gene ID 5260

Other Names
Phosphorylase b kinase gamma catalytic chain, skeletal muscle/heart isoform, PHK-gamma-M, Phosphorylase kinase subunit gamma-1, Serine/threonine-protein kinase PHKG1, PHKG1, PHKG

Dilution
WB~~ 1:1000

Format
Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions
-20℃

PHKG1 Antibody - 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).

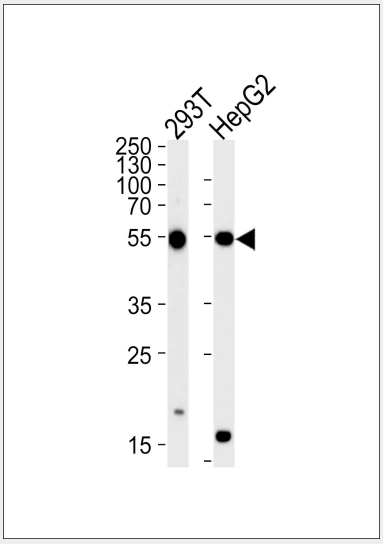
PHKG1 Antibody - Protocols

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

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PHKG1 Antibody - Images



Western blot analysis of lysates from 293T,HepG2 cell line (from left to right),using PHKG1 Antibody(C21177). C21177 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.

PHKG1 Antibody - 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. In vitro, phosphorylates PYGM, TNNI3, MAPT/TAU, GAP43 and NRGN/RC3 (By similarity).

PHKG1 Antibody - References

Wehner M.,et al.Hum. Genet. 96:616-618(1995).
Burwinkel B. Jr.,et al.Submitted (APR-2000) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 424:157-164(2003).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.