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PHKG1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP7232c

Specification

PHKG1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q16816

PHKG1 Antibody (Center) Blocking Peptide - 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

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7232c was selected from the Center region of human PHKG1 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PHKG1 Antibody (Center) Blocking Peptide - 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 (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

PHKG1 Antibody (Center) Blocking Peptide - Images

PHKG1 Antibody (Center) Blocking Peptide - Background

This gene is a member of the Ser/Thr protein kinase family and encodes a protein with one protein kinase domain and two calmodulin-binding domains. This protein is the catalytic member of a 16 subunit protein kinase complex which contains equimolar ratios of 4 subunit types. The complex is a crucial glycogenolytic regulatory enzyme. This gene has two pseudogenes at chromosome 7q11.21 and one at chromosome 11p11.12.

PHKG1 Antibody (Center) Blocking Peptide - References

Wehner, M., et al., Hum. Genet. 96(5):616-618 (1995).Jones, T.A., et al., Biochim. Biophys. Acta 1048(1):24-29 (1990).