

**PHKG1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP7232c****Specification**

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**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](/product/products/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**

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).