

**PGAM1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2923c****Specification**

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**PGAM1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P18669](#)**PGAM1 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 5223

**Other Names**

Phosphoglycerate mutase 1, BPG-dependent PGAM 1, Phosphoglycerate mutase isozyme B, PGAM-B, PGAM1, PGAMA

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2923c](/products/AP2923c) was selected from the Center region of human PGAM1. 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.

**PGAM1 Antibody (Center) Blocking Peptide - Protein Information**Name PGAM1 ([HGNC:8888](#))

Synonyms PGAMA

**Function**

Catalyzes the interconversion of 2-phosphoglycerate and 3-phosphoglycerate a crucial step in glycolysis, by using 2,3-bisphosphoglycerate (PubMed: [23653202](http://www.uniprot.org/citations/23653202)). Also catalyzes the interconversion of (2R)-2,3-bisphosphoglycerate and (2R)-3-phosphoglyceroyl phosphate (PubMed: [23653202](http://www.uniprot.org/citations/23653202)).

**Tissue Location**

Expressed in the liver and brain. Not found in the muscle.

## **PGAM1 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **PGAM1 Antibody (Center) Blocking Peptide - Images**

## **PGAM1 Antibody (Center) Blocking Peptide - Background**

PGAM1 can be interconversion of 3- and 2-phosphoglycerate with 2,3-bisphosphoglycerate as the primer of the reaction. It can also catalyze the reaction of EC 5.4.2.4 (synthase) and EC 3.1.3.13 (phosphatase), but with a reduced activity.

## **PGAM1 Antibody (Center) Blocking Peptide - References**

Martins-de-Souza,D., et.al., BMC Psychiatry 9, 17 (2009)Oh,S.J., et.al., Muscle Nerve 34 (5), 572-576 (2006)