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PGAM2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP10504a

Specification

PGAM2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession	P15259
Other Accession	NP_000281.2

PGAM2 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 5224

Other Names
Phosphoglycerate mutase 2, BPG-dependent PGAM 2, Muscle-specific phosphoglycerate mutase, Phosphoglycerate mutase isozyme M, PGAM-M, PGAM2, PGAMM

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.

PGAM2 Antibody (N-term) Blocking Peptide - Protein Information

Name PGAM2

Synonyms PGAMM

Function
Interconversion of 3- and 2-phosphoglycerate with 2,3- bisphosphoglycerate as the primer of the reaction. Can also catalyze the reaction of EC 5.4.2.4 (synthase), but with a reduced activity.

Tissue Location
Expressed in the heart and muscle. Not found in the liver and brain.

PGAM2 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

PGAM2 Antibody (N-term) Blocking Peptide - Images

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PGAM2 Antibody (N-term) Blocking Peptide - Background

Phosphoglycerate mutase (PGAM) catalyzes the reversiblereaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate(2-PGA) in the glycolytic pathway. The PGAM is a dimeric enzymecontaining, in different tissues, different proportions of aslow-migrating muscle (MM) isozyme, a fast-migrating brain (BB)isozyme, and a hybrid form (MB). PGAM2 encodes muscle-specificPGAM subunit. Mutations in this gene cause muscle phosphoglyceratemutase eficiency, also known as glycogen storage disease X.

PGAM2 Antibody (N-term) Blocking Peptide - References

Hadjigeorgiou, G.M., et al. Neuromuscul. Disord. 9 (6-7), 399-402 (1999) :Tsujino, S., et al. Am. J. Hum. Genet. 52(3):472-477(1993)Castella-Escola, J., et al. Gene 91(2):225-232(1990)Castella-Escola, J., et al. Hum. Genet. 84(2):210-212(1990)Tsujino, S., et al. J. Biol. Chem. 264(26):15334-15337(1989)