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PYGB Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP13699a

Specification

PYGB Antibody (N-term) Blocking peptide - Product Information

Primary Accession P11216

PYGB Antibody (N-term) Blocking peptide - Additional Information

Gene ID 5834

Other Names
Glycogen phosphorylase, brain form, PYGB

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13699a was selected from the N-term region of PYGB. 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.

PYGB Antibody (N-term) Blocking peptide - Protein Information

Name PYGB {ECO:0000303|PubMed:3346228}

Function
Glycogen phosphorylase that regulates glycogen mobilization (PubMed:<a href="ht

PYGB Antibody (N-term) Blocking peptide - Background

The protein encoded by this gene is a glycogenphosphorylase found predominantly in the brain. The encoded proteinforms homodimers which can associate into homotetramers, theenzymatically active form of glycogen phosphorylase. The activityof this enzyme is positively regulated by AMP and negativelyregulated by ATP, ADP, and glucose-6-phosphate. This enzymecatalyzes the rate-determining step in glycogen degradation.

PYGB Antibody (N-term) Blocking peptide - References

Pudil, R., et al. Clin. Chem. Lab. Med. 48(8):1193-1195(2010)Martins-de-Souza, D., et al. J Psychiatr Res (2010) In press :Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010)Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010)Chapuis, J., et al. Mol. Psychiatry 14(11):1004-1016(2009)

tp://www.uniprot.org/citations/27402852" target="_blank">27402852). Phosphorylase is an important allosteric enzyme in carbohydrate metabolism (PubMed:3346228). Enzymes from different sources differ in their regulatory mechanisms and in their natural substrates (PubMed:3346228). However, all known phosphorylases share catalytic and structural properties (PubMed:3346228).

PYGB Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides