

PYGB Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13699a**Specification**

PYGB Antibody (N-term) Blocking peptide - Product InformationPrimary 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: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](#)

PYGB Antibody (N-term) Blocking peptide - Images

PYGB Antibody (N-term) Blocking peptide - Background

The protein encoded by this gene is a glycogen phosphorylase found predominantly in the brain. The encoded protein forms homodimers which can associate into homotetramers, the enzymatically active form of glycogen phosphorylase. The activity of this enzyme is positively regulated by AMP and negatively regulated by ATP, ADP, and glucose-6-phosphate. This enzyme catalyzes 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)