

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 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)

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

PYGB Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)