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# PYGB Antibody (N-term)
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**
**Catalog # AP13699a**

## Specification

### PYGB Antibody (N-term) - Product Information

| | |
|---|---|
| Application | **WB,E** |
| Primary Accession | P11216 |
| Other Accession | NP_002853.2 |
| Reactivity | **Mouse** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **96696** |
| Antigen Region | **1-30** |

### PYGB Antibody (N-term) - Additional Information

**Gene ID** 5834

**Other Names**
Glycogen phosphorylase, brain form, PYGB

**Target/Specificity**
This PYGB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human PYGB.

**Dilution**
WB~~1:1000

**Format**
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
PYGB Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### PYGB Antibody (N-term) - 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).

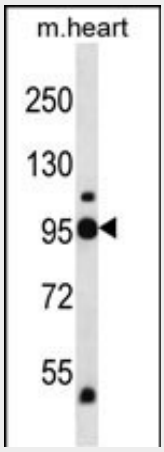
Enzymes from different sources differ in their regulatory mechanisms and in their natural substrates (PubMed:3346228). However, all known phosphorylases share catalytic and structural properties (PubMed:3346228).

## PYGB Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## PYGB Antibody (N-term) - Images




PYGB Antibody (N-term) (Cat. #AP13699a) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the PYGB antibody detected the PYGB protein (arrow).

## PYGB Antibody (N-term) - 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) - References

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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)
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