

For Research Use Only

# PYGB Polyclonal antibody

Catalog Number: 55380-1-AP

Featured Product

2 Publications



## Basic Information

**Catalog Number:**

55380-1-AP

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_002862

**GeneID (NCBI):**

5834

**UNIPROT ID:**

P11216

**Full Name:**

phosphorylase, glycogen; brain

**Calculated MW:**

97 kDa

**Observed MW:**

97-105 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IHC 1:50-1:500

IF 1:20-1:200

## Applications

**Tested Applications:**

IF/ICC, IHC, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : A549 cells, HeLa cells, MCF-7 cells, U-251 cells

IHC : mouse heart tissue, mouse brain tissue, human heart tissue

IF : A549 cells,

## Background Information

PYGB belongs to the glycogen phosphorylase family. Phosphorylase is an important allosteric enzyme in carbohydrate metabolism. Enzymes from different sources differ in their regulatory mechanisms and in their natural substrates. However, all known phosphorylases share catalytic and structural properties. This antibody is specific to PYGB. It has no cross reaction to PYGM and PYGL.

## Notable Publications

| Author         | Pubmed ID | Journal            | Application |
|----------------|-----------|--------------------|-------------|
| Teresa W-M Fan | 36150727  | J Immunol          |             |
| Yuanyuan Zhu   | 35140588  | Front Mol Neurosci | WB          |

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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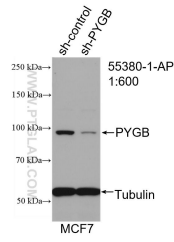
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

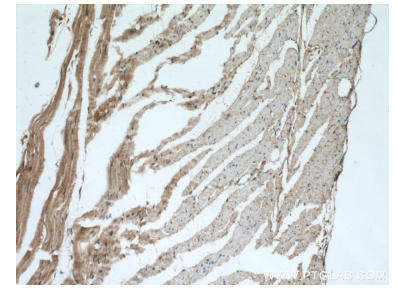
## Selected Validation Data



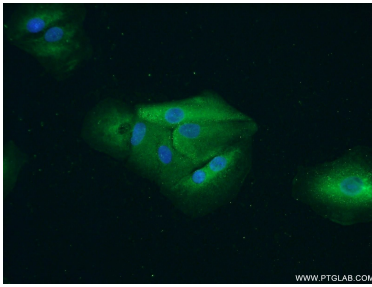
A549 cells were subjected to SDS PAGE followed by western blot with 55380-1-AP (PYGB antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



WB result of PYGB antibody (55380-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-PYGB transfected MCF-7 cells.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 55380-1-AP (PYGB antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of A549 cells using 55380-1-AP (PYGB antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).