

For Research Use Only

PYGB Polyclonal antibody

Catalog Number: 55380-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

55380-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 427 ug/ml by Bradford method using BSA as the standard;

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/ICC 1:20-1:200

Applications

Tested Applications:

WB, IHC, IF/ICC, 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/ICC : 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

*** 20ul sizes contain 0.1% BSA

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

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

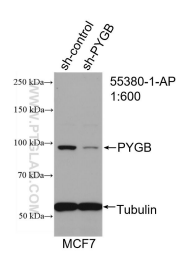
E: proteintech@ptglab.com
W: ptglab.com

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

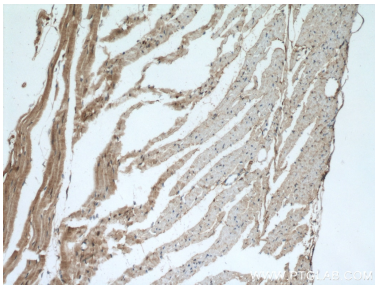
Selected Validation Data



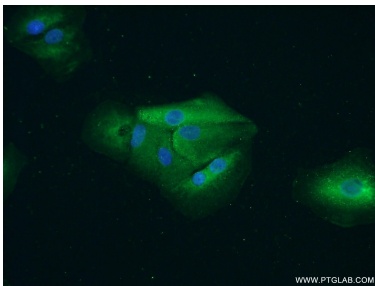
A549 cells were subjected to SDS PAGE followed by western blot with 55380-1-AP (PYGB antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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 Goat Anti-Rabbit IgG(H+L).