

PYGL Polyclonal antibody

Catalog Number: 55429-1-AP

Basic Information

Catalog Number:

55429-1-AP

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_002863

GeneID (NCBI):

5836

UNIPROT ID:

P06737

Full Name:

phosphorylase, glycogen, liver

Calculated MW:

97 kDa

Observed MW:

97-105 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF/ICC 1:20-1:200

Applications

Tested Applications:

IF/ICC, IP, WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HeLa cells, HepG2 cells, PC-3 cells, mouse liver

IP : HepG2 cells,

IF/ICC : HepG2 cells,

Background Information

PYGL 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. Defects in PYGL are the cause of glycogen storage disease type 6 (GSD6). This antibody is specific to PYGL. It has no cross reaction to PYGM and PYGB.

Storage

Storage:

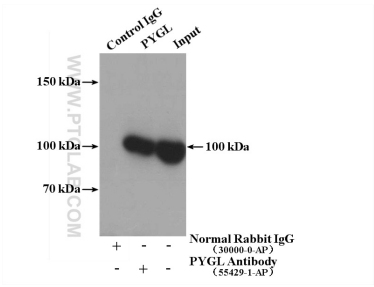
Store at -20°C.

Storage Buffer:

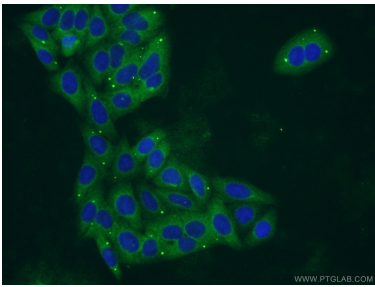
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



IP result of anti-PYGL (IP:55429-1-AP, 4ug; Detection:55429-1-AP 1:500) with HepG2 cells lysate 2400ug.



Immunofluorescent analysis of HepG2 cells using 55429-1-AP (PYGL antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).