

For Research Use Only

# PYGL Monoclonal antibody

Catalog Number: 66769-1-Ig **Featured Product**



## Basic Information

<b>Catalog Number:</b> 66769-1-Ig	<b>GenBank Accession Number:</b> BC009895	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1400 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5836	<b>CloneNo.:</b> 1G12D8
<b>Source:</b> Mouse	<b>Full Name:</b> phosphorylase, glycogen, liver	<b>Recommended Dilutions:</b> WB 1:2000-1:10000
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 846 aa, 97 kDa	
<b>Immunogen Catalog Number:</b> AG8550	<b>Observed MW:</b> 97 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HSC-T6 cells, HeLa cells, HepG2 cells, L02 cells, SMMC-7721 cells
<b>Species Specificity:</b> Human, rat	

## Background Information

Glycogen phosphorylase L (PYGL) is one of the gene related to hypoxia metabolism and was found to be up-regulated in head and neck squamous cell carcinomas (HNSCCs) and breast cancers. Glycogen synthases (GSs) and glycogen phosphorylases (GPs) catalyze the key steps of glycogen synthesis and breakdown, while glycogen phosphorylase has three isoforms: PYGM (muscle), PYGL (liver), and PYGB (brain) (PMID: 37063425, 9529348). High PYGL expression plays an independent role in predicting the poor prognosis of glioma patients (PMID: 34177761).

## Storage

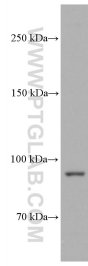
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

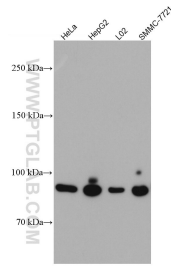
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

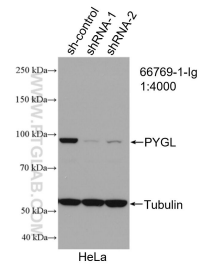
## Selected Validation Data



HSC-T6 cells were subjected to SDS PAGE followed by western blot with 66769-1-Ig (PYGL antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 66769-1-Ig (PYGL antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



WB result of PYGL antibody (66769-1-Ig; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PYGL transfected HeLa cells.