

For Research Use Only

PYGL Monoclonal antibody

Catalog Number: 66769-1-Ig

Featured Product

1 Publications



Basic Information

Catalog Number: 66769-1-Ig	GenBank Accession Number: BC009895	Purification Method: Protein G purification
Size: 150ul , Concentration: 1400 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5836	CloneNo.: 1G12D8
Source: Mouse	UNIPROT ID: P06737	Recommended Dilutions: WB 1:2000-1:10000 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: phosphorylase, glycogen, liver	
Immunogen Catalog Number: AG8550	Calculated MW: 846 aa, 97 kDa	
	Observed MW: 97 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : HSC-T6 cells, HeLa cells, HepG2 cells, L02 cells, SMMC-7721 cells IF/ICC : U-251 cells,
Cited Applications: WB	
Species Specificity: human, rat	
Cited Species: human	

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Tingyu Cao	39525037	Transl Cancer Res	WB

Storage

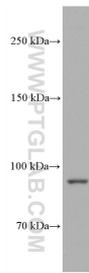
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

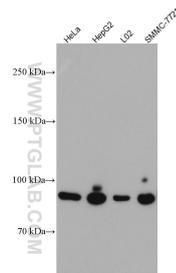
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

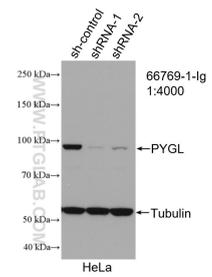
Selected Validation Data



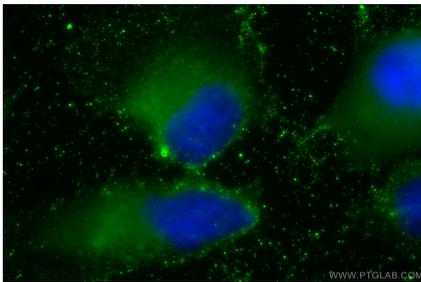
HSC-T6 cells were subjected to SDS PAGE followed by western blot with 66769-1-Ig (PYGL antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



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.



Immunofluorescent analysis of (-20°C Ethanol) fixed U-251 cells using PYGL antibody (66769-1-Ig, Clone: 1G12D8) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).