

For Research Use Only

PYGB Recombinant monoclonal antibody

Catalog Number: 86737-3-RR



Basic Information

Catalog Number: 86737-3-RR	GenBank Accession Number: BC017045	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5834	CloneNo.: 251450C3
Source: Rabbit	UNIPROT ID: P11216	Recommended Dilutions: WB: 1:1000-1:6000
Isotype: IgG	Full Name: phosphorylase, glycogen; brain	
Immunogen Catalog Number: AG2732	Calculated MW: 843 aa, 97 kDa	
	Observed MW: 97 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A549 cells, HeLa cells, U-251 cells, MCF-7 cells, rat brain tissue, fetal human brain tissue, mouse brain tissue
Species Specificity: human, mouse, rat	

Background Information

The three main subtypes of GP found in human tissues-brain-type glycogen phosphorylase (PYGB), liver-type glycogen phosphorylase (PYGL), and muscle-type glycogen phosphorylase (PYGM)-differ in function, structure, and tissue distribution. PYGB (Brain-type glycogen phosphorylase) is a glycogen phosphorylase and is primarily localized in adult brain tissues and embryo liver tissues, whose function is to provide energy to organisms (PMID: 30106110). PYGB has been observed to be overexpressed in many types of cancer and tumor cell lines and is expected to be a novel target for the diagnosis and treatment of various cancers (PMID: 38334681).

Storage

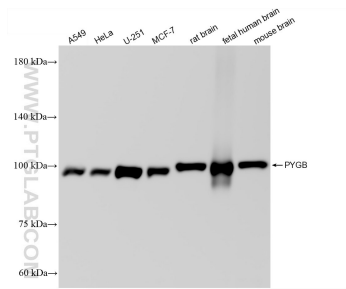
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

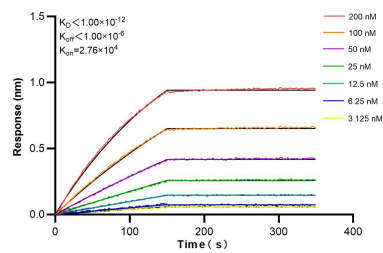
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86737-3-RR (PYGB antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86737-3-RR against Human PYGB were performed. The affinity constant is below 1 pM.