

For Research Use Only

PYGB Recombinant monoclonal antibody, PBS Only

Catalog Number: 86737-3-PBS



Basic Information

Catalog Number: 86737-3-PBS	GenBank Accession Number: BC017045	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5834	CloneNo.: 251450C3
Source: Rabbit	UNIPROT ID: P11216	
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, Indirect ELISA

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

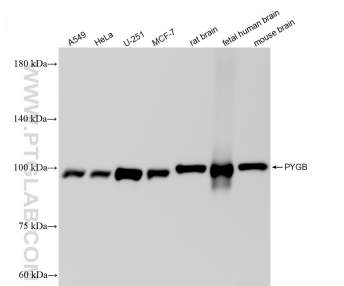
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

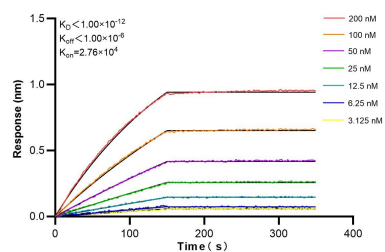
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
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Selected Validation Data



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. This data was developed using the same antibody clone with 86737-3-PBS in a different storage buffer formulation.



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