

For Research Use Only

PYGB Recombinant monoclonal antibody

Catalog Number: 86737-3-RR



Basic Information

Catalog Number:

86737-3-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2732

GenBank Accession Number:

BC017045

GeneID (NCBI):

5834

UNIPROT ID:

P11216

Full Name:

phosphorylase, glycogen; brain

Calculated MW:

843 aa, 97 kDa

Observed MW:

97 kDa

Purification Method:

Protein A purification

CloneNo.:

251450C3

Recommended Dilutions:

WB: 1:1000-1:6000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : A549 cells, HeLa cells, U-251 cells, MCF-7 cells, rat brain tissue, fetal human brain tissue, mouse brain tissue

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

For technical support and original validation data for this product please contact:

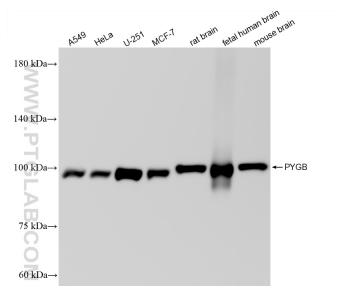
T: 4006900926

E: Proteintech-CN@ptglab.com

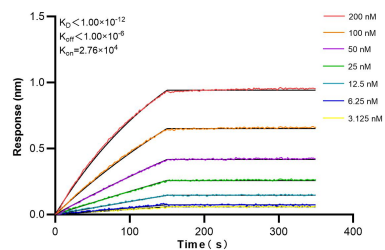
W: ptgcn.com

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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.



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