

For Research Use Only

PGM5 Recombinant antibody, PBS Only

Catalog Number: 82965-1-PBS



Basic Information

Catalog Number:

82965-1-PBS

Size:

100ug , Concentration: 1mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34399

GenBank Accession Number:

NM_021965

GeneID (NCBI):

5239

UNIPROT ID:

Q15124

Full Name:

phosphoglucomutase 5

Calculated MW:

62 kDa

Observed MW:

62 kDa

Purification Method:

Protein A purification

CloneNo.:

230206C7

Applications

Tested Applications:

WB, IHC, FC (Intra), Indirect ELISA

Species Specificity:

human

Background Information

Phosphoglucomutase-like protein 5 (also known as aciculin) is an enzyme encoded by the PGM5 gene. Gene functional studies show that PGM5 is similar to PGM1 but lacks enzymatic activity. PGM5 is tightly associated with the actin cytoskeleton and has primarily been investigated as an adhesion protein. It also functions as a cytoskeletal component of cell-matrix and cell-cell contacts in muscle and non-muscle cells. (PMID: 35819729)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

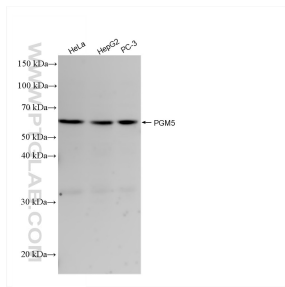
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

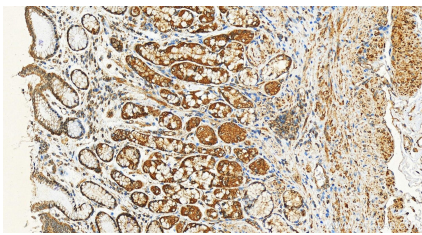
W: ptglab.com

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

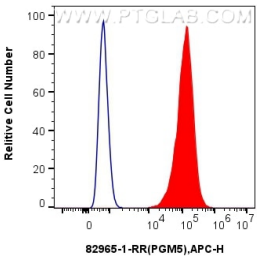
Selected Validation Data



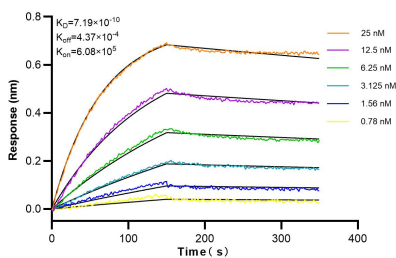
Various lysates were subjected to SDS PAGE followed by western blot with 82965-1-RR (PGM5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82965-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human normal stomach slide using 82965-1-RR (PGM5 antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82965-1-PBS in a different storage buffer formulation.



1x10⁶ PC-3 cells were intracellularly stained with 0.25 ug Anti-Human PGM5 (82965-1-RR, Clone:230206C7) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-O-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 82965-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82965-1-RR against Human PGM5 were performed. The affinity constant is 0.719 nM.