

PGK2 Monoclonal antibody

Catalog Number: 68228-1-Ig

Basic Information

Catalog Number:

68228-1-Ig

Size:

500 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG20631

GenBank Accession Number:

BC038843

GeneID (NCBI):

5232

UNIPROT ID:

P07205

Full Name:

phosphoglycerate kinase 2

Calculated MW:

417 aa, 45 kDa

Observed MW:

45 kDa

Purification Method:

Protein G purification

CloneNo.:

3D4F2

Recommended Dilutions:

WB 1:2000-1:10000

IF-P 1:250-1:1000

Applications

Tested Applications:

WB, IF-P, ELISA, FC (Intra)

Species Specificity:

Human, Rat, Pig, Mouse

Positive Controls:

WB : A549 cells, human testis tissue, HuH-7 cells, Raji cells, MOLT-4 cells, pig heart tissue, rat heart tissue

IF-P : mouse testis tissue,

Background Information

PGK2, phosphoglycerate kinase 2, which belongs to the phosphoglycerate kinase superfamily. It catalyzes the first ATP-generating step in the central metabolic pathway of glycolysis, converting 1,3-bisphosphoglycerate and ADP to 3-phosphoglycerate and ATP.

Storage

Storage:

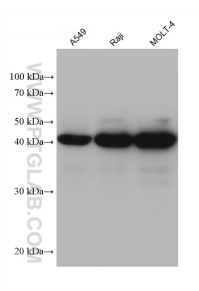
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

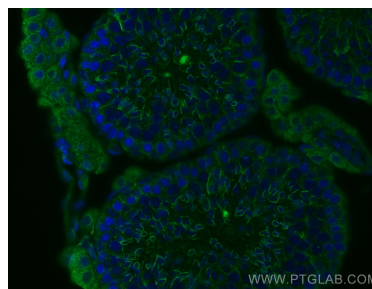
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

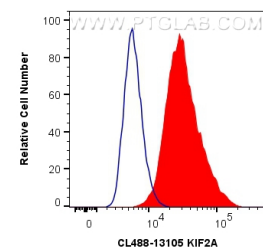
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68228-1-Ig (PGK2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using PGK2 antibody (68228-1-Ig, Clone: 3D4F2) at dilution of 1:500 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10⁶ A549 cells were intracellularly stained with 0.4 ug Anti-Human PGK2 (68228-1-Ig, Clone:3D4F2) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).