

For Research Use Only

PGK2 Monoclonal antibody

Catalog Number: 68228-1-Ig



Basic Information

Catalog Number: 68228-1-Ig	GenBank Accession Number: BC038843	Purification Method: Protein G purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop;	GeneID (NCBI): 5232	CloneNo.: 3D4F2
Source: Mouse	Full Name: phosphoglycerate kinase 2	Recommended Dilutions: WB 1:2000-1:10000 IF 1:250-1:1000
Isotype: IgG1	Calculated MW: 417 aa, 45 kDa	
Immunogen Catalog Number: AG20631	Observed MW: 45 kDa	

Applications

Tested Applications:

FC, IF, WB, ELISA

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 : 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

*** 20ul sizes contain 0.1% BSA

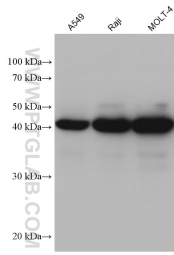
For technical support and original validation data for this product please contact:

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

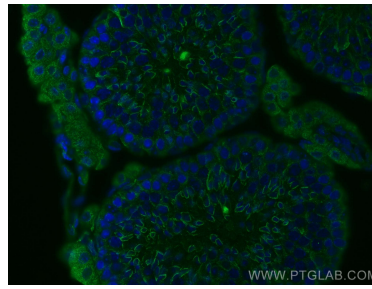
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W: ptglab.com

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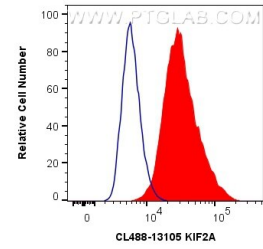
Selected Validation Data



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).