

For Research Use Only

# PGK2 Polyclonal antibody

Catalog Number: 13686-1-AP

Featured Product

6 Publications



## Basic Information

### Catalog Number:

13686-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 320 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4553

### 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:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:100-1:400

IF-P 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF-P, ELISA

### Cited Applications:

WB, IHC, CoIP

### Species Specificity:

human, mouse

### Cited Species:

human, mouse, sheep

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB:** mouse testis tissue, HeLa cells, HepG2 cells, human heart tissue, human testis tissue, mouse brain tissue

**IHC:** human testis 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Guangjian Jiang	27832638	Cell Physiol Biochem	WB
Xiaolei Yao	28460680	Theriogenology	WB
Huiling Li	36517592	Nature	WB

## 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

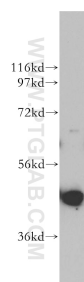
For technical support and original validation data for this product please contact:

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

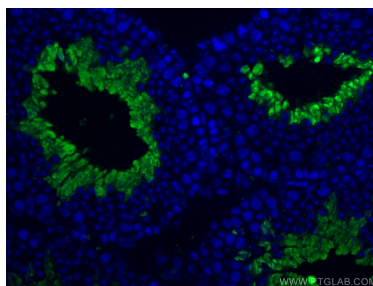
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

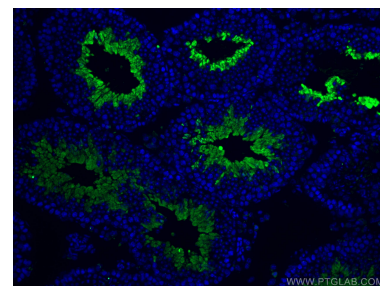
## Selected Validation Data



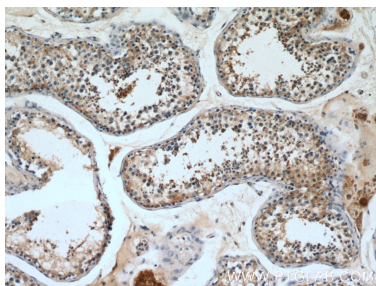
mouse testis tissue were subjected to SDS PAGE followed by western blot with 13686-1-AP (PGK2 antibody) at dilution of 1:1200 incubated at room temperature for 1.5 hours.



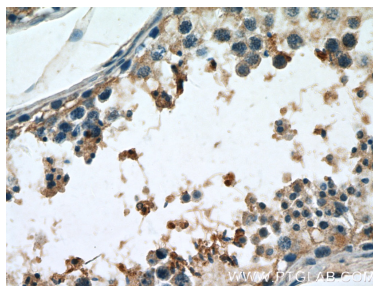
Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using PGK2 antibody (13686-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using PGK2 antibody (13686-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 13686-1-AP (PGK2 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 13686-1-AP (PGK2 Antibody) at dilution of 1:200 (under 40x lens).