

For Research Use Only

# PGK2 Polyclonal antibody

Catalog Number: 13686-1-AP **5 Publications**



## Basic Information

<b>Catalog Number:</b> 13686-1-AP	<b>GenBank Accession Number:</b> BC038843	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 320 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5232	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IHC 1:100-1:400 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> phosphoglycerate kinase 2	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 417 aa, 45 kDa	
<b>Immunogen Catalog Number:</b> AG4553	<b>Observed MW:</b> 45 kDa	

## Applications

**Tested Applications:**  
IF, IHC, WB, ELISA

**Cited Applications:**  
WB

**Species Specificity:**  
human, mouse

**Cited Species:**  
human, sheep, mouse

**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 :** 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

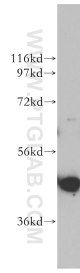
For technical support and original validation data for this product please contact:

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

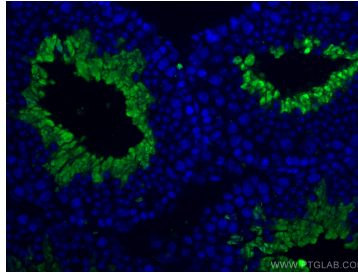
E: proteintech@ptglab.com  
W: ptglab.com

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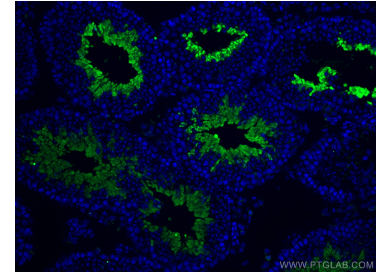
## Selected Validation Data



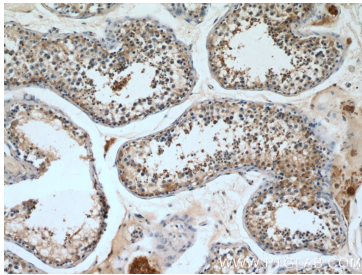
mouse testis tissue were subjected to SDS PAGE followed by western blot with 13686-1-AP (PGK2 antibody) at dilution of 1:1200 incubated at room temperature for 1.5 hours.



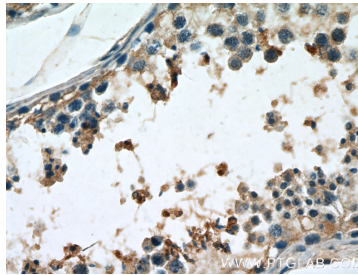
Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using PGK2 antibody (13686-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using PGK2 antibody (13686-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure 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).