

For Research Use Only

# PDXK Polyclonal antibody

Catalog Number: 15309-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 15309-1-AP	<b>GenBank Accession Number:</b> BC000123	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8566	<b>Recommended Dilutions:</b> WB 1:2000-1:16000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> pyridoxal (pyridoxine, vitamin B6) kinase	<b>IHC 1:1000-1:4000</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 35 kDa	
<b>Immunogen Catalog Number:</b> AG7451	<b>Observed MW:</b> 40 kDa, 35 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IHC, WB	<b>WB:</b> HeLa cells, L02 cells, mouse liver tissue, mouse spinal cord, rat liver tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IP:</b> mouse liver tissue,
<b>Cited Species:</b> mouse	<b>IHC:</b> human urothelial carcinoma tissue,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

PDXK encodes for a pyridoxal kinase, which converts inactive B6 vitamers to the active cofactor pyridoxal 5'-phosphate (PLP).

## Notable Publications

Author	Pubmed ID	Journal	Application
Min Yu	37925638	Cell Rep	IF,IHC
Ruina Wang	37752106	Nat Commun	WB

## Storage

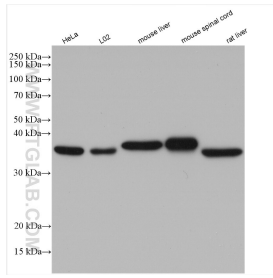
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

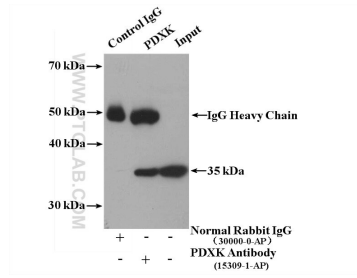
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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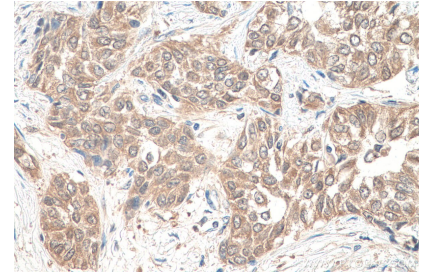
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15309-1-AP (PDXK antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP result of anti-PDXK (IP:15309-1-AP, 4ug; Detection:15309-1-AP 1:500) with mouse liver tissue lysate 6000 ug.



Immunohistochemical analysis of paraffin-embedded human urothelial carcinoma tissue slide using 15309-1-AP (PDXK antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).