

PDXK Polyclonal antibody

Catalog Number: 15309-1-AP

3 Publications

Basic Information

Catalog Number:

15309-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7451

GenBank Accession Number:

BC000123

GeneID (NCBI):

8566

UNIPROT ID:

O00764

Full Name:

pyridoxal (pyridoxine, vitamin B6)
kinase

Calculated MW:

35 kDa

Observed MW:

40 kDa, 35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IP 0.5-4.0 µg for 1.0-3.0 mg of total
protein lysate

IHC 1:1000-1:4000

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, 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 : HeLa cells, L02 cells, mouse liver tissue, mouse
spinal cord, rat liver tissue

IP : mouse liver tissue,

IHC : human urothelial carcinoma tissue,

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
Xiaoqiang Wu	38918324	Drug Deliv Transl Res	WB
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

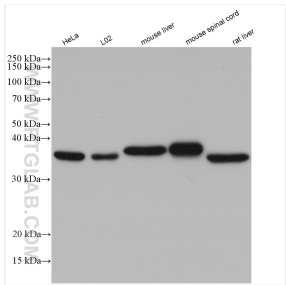
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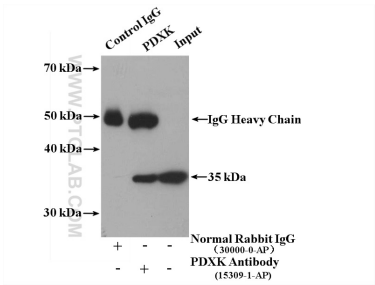
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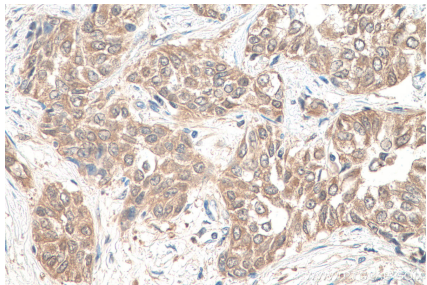
Selected Validation Data



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).