

For Research Use Only

# PDXP Polyclonal antibody

Catalog Number: 27490-1-AP



## Basic Information

<b>Catalog Number:</b> 27490-1-AP	<b>GenBank Accession Number:</b> BC064922	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 550 µg/ml	<b>GeneID (NCBI):</b> 57026	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96GDO	
<b>Isotype:</b> IgG	<b>Full Name:</b> pyridoxal (pyridoxine, vitamin B6) phosphatase	
<b>Immunogen Catalog Number:</b> AG26592	<b>Calculated MW:</b> 32 kDa	
	<b>Observed MW:</b> 32 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

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, Neuro-2a cells, mouse brain tissue

**IHC:** human liver tissue, human tonsillitis tissue

## Background Information

PDXP, also named CIN, belongs to the HAD-like hydrolase superfamily. As a pyridoxal phosphate (PLP) phosphatase, PDXP can catalyze the dephosphorylation of pyridoxine 5'-phosphate (PNP) and pyridoxamine 5'-phosphate (PMP), with order of substrate preference PLP > PNP > PMP and therefore plays a role in vitamin B6 metabolism. PDXP is highly expressed in all the regions of central nerve system except the spinal cord. PDXP is also expressed at high level in liver and testis.

## 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

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

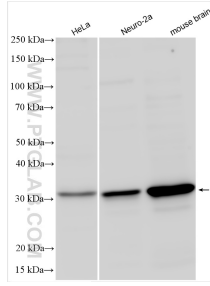
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

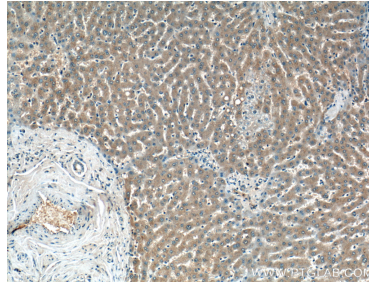
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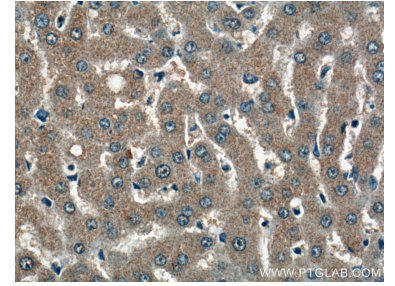
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27490-1-AP (PDXP antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 27490-1-AP (PDXP antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 27490-1-AP (PDXP antibody) at dilution of 1:200 (under 40x lens).