

PDXP Polyclonal antibody

Catalog Number: 27490-1-AP

Basic Information

Catalog Number: 27490-1-AP	GenBank Accession Number: BC064922	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop and 367 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 57026	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: pyridoxal (pyridoxine, vitamin B6) phosphatase	
Isotype: IgG	Calculated MW: 32 kDa	
Immunogen Catalog Number: AG26592	Observed MW: 32 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Species Specificity: Human, mouse	WB : HeLa cells, Neuro-2a cells, mouse brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	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

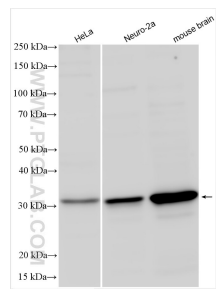
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

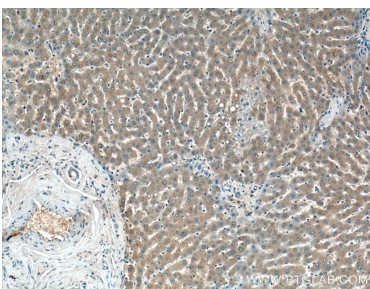
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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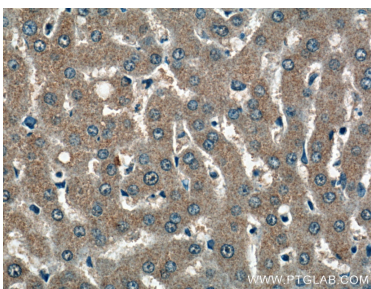
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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).