

For Research Use Only

PDXP Polyclonal antibody

Catalog Number: 27490-1-AP

1 Publications



Basic Information

Catalog Number: 27490-1-AP	GenBank Accession Number: BC064922	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 550 ug/ml by Nanodrop and 367 ug/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	UNIPROT ID: Q96GDO	
Isotype: IgG	Full Name: pyridoxal (pyridoxine, vitamin B6) phosphatase	
Immunogen Catalog Number: AG26592	Calculated MW: 32 kDa	
	Observed MW: 32 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : HeLa cells, Neuro-2a cells, mouse brain tissue IHC : human liver tissue, human tonsillitis tissue
Cited Applications: WB, IHC	
Species Specificity: Human, mouse	
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	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Hongyan Zhang	38994801	Mol. Carcinog	WB, IHC

Storage

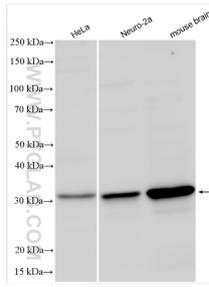
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

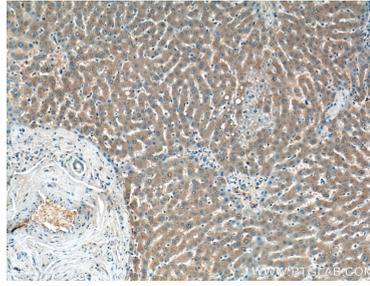
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

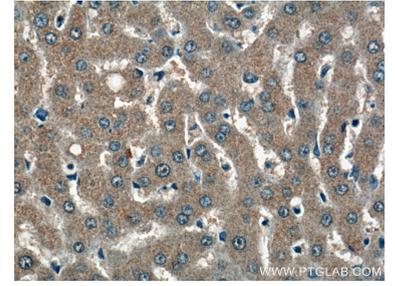
Selected Validation Data



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).