

For Research Use Only

# DPYS Polyclonal antibody

Catalog Number: 13237-1-AP

Featured Product

3 Publications



## Basic Information

<b>Catalog Number:</b> 13237-1-AP	<b>GenBank Accession Number:</b> BC034395	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 260 ug/ml by Nanodrop and 247 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1807	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q14117	
<b>Isotype:</b> IgG	<b>Full Name:</b> dihydropyrimidinase	
<b>Immunogen Catalog Number:</b> AG3972	<b>Calculated MW:</b> 519 aa, 57 kDa	
	<b>Observed MW:</b> 57 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, IHC : human liver tissue, mouse kidney tissue
<b>Cited Applications:</b> WB, IHC	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	

**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

DPYS(Dihydropyrimidinase)also known as 5,6-dihydropyrimidine amidohydrolase, or DHP, is the second enzyme in uracil and thymine catabolism. However, in normal human extrahepatic tissues, DPYS, rather than dihydrouracil dehydrogenase, is the rate-limiting enzyme in the pyrimidine base catabolic pathway. DHPase in solid tumors is increased when compared with normal tissues(PMID: 8307005).Defects in DPYS are the cause of dihydropyrimidinase deficiency (DHPD).

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhengxin Wu	34906153	Cancer Cell Int	WB,IHC
Li Zhang	38961491	Arthritis Res Ther	IHC
Jihane Basbous	31853544	Nucleic Acids Res	WB

## Storage

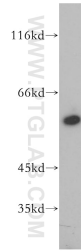
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

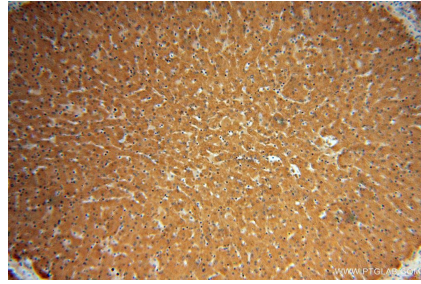
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

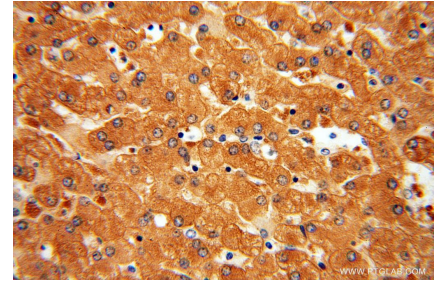
## Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 13237-1-AP (DPYS antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver using 13237-1-AP (DPYS antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver using 13237-1-AP (DPYS antibody) at dilution of 1:50 (under 40x lens).