

For Research Use Only

DPYS Polyclonal antibody

Catalog Number:13237-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

13237-1-AP

Size:

260 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3972

GenBank Accession Number:

BC034395

GeneID (NCBI):

1807

UNIPROT ID:

Q14117

Full Name:

dihydropyrimidinase

Calculated MW:

519 aa, 57 kDa

Observed MW:

57 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

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 : HEK-293 cells,

IHC : human liver tissue, mouse kidney tissue

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

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

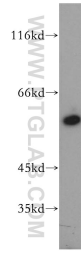
T: 4006900926

E: Proteintech-CN@ptglab.com

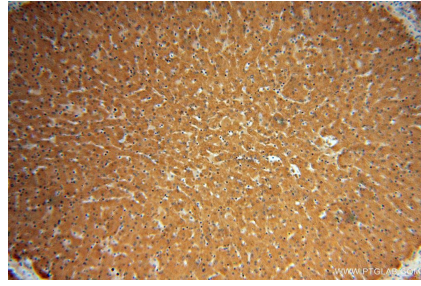
W: ptgcn.com

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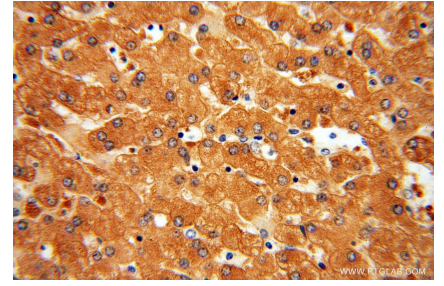
Selected Validation Data



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).