

DPYS Polyclonal Antibody

Catalog number: 13237-1-AP

Size: 37 µg/150 µl

Source: Rabbit

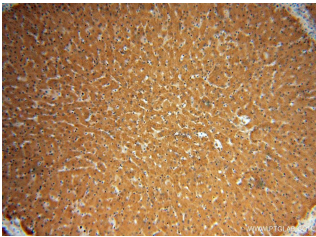
Isotype: IgG

Synonyms:

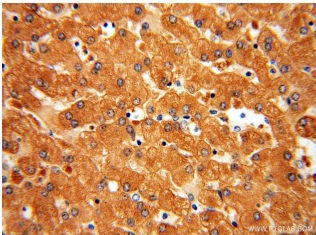
DPYS; DHP, DHPase,

Dihydropyrimidinase, DPYS,

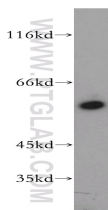
Hydantoinase



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



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



HEK-293 cells were subjected to SDS PAGE followed by western blot with 13237-1-AP(DPYS antibody) at dilution of 1:500

Background

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).

Applications

Tested applications:	ELISA, WB, IHC
Species specificity:	Human,Mouse,Rat; other species not tested.
Calculated DPYS MW:	519aa,57kd
Observed DPYS MW:	57kd
Positive WB detected in	HEK-293 cells
Positive IHC detected in	Human liver tissue
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3972
GenBank accession number:	BC034395
Gene ID (NCBI):	1807
Full name:	Dihydropyrimidinase

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.