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DPYD Polyclonal Antibody

Catalog # AP73410

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	Q12882
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	111401

Additional Information

Gene ID	1806
Other Names	DPYD; Dihydropyrimidine dehydrogenase [NADP(+)]; DHPDHase; DPD; Dihydrothymine dehydrogenase; Dihydrouracil dehydrogenase
Dilution	WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications. IHC-P~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

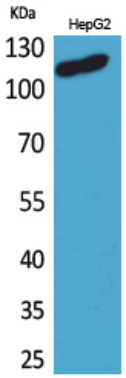
Protein Information

Name	DPYD (HGNC:3012)
Function	Catalyzes the reduction of uracil and thymine in the initial step of reductive pyrimidine catabolism, a pathway that yields beta- alanine from uracil and beta-aminoisobutyrate from thymine (PubMed:1512248). Also capable of degrading the chemotherapeutic drug 5-fluorouracil (PubMed:1512248).
Cellular Location	Cytoplasm, cytosol {ECO:0000250|UniProtKB:O89000}
Tissue Location	Found in most tissues with greatest activity found in liver and peripheral blood mononuclear cells

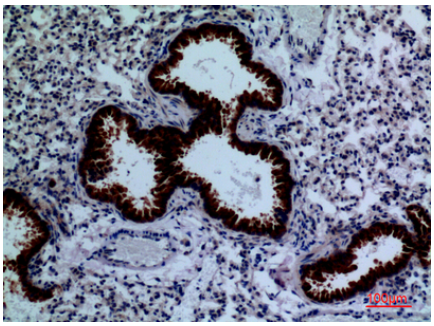
Background

Involved in pyrimidine base degradation. Catalyzes the reduction of uracil and thymine. Also involved the degradation of the chemotherapeutic drug 5-fluorouracil.

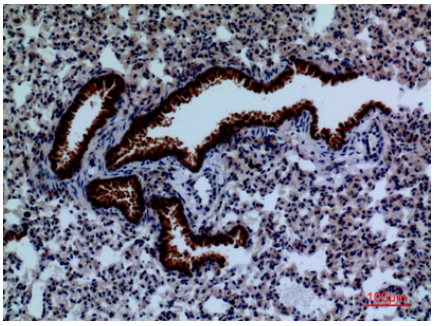
Images



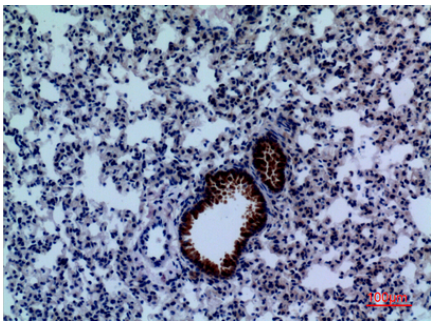
Western Blot analysis of HepG2 cells using DPYD Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded mouse-lung, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded mouse-lung, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded mouse-lung, antibody was diluted at 1:100

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.