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Anti-DPD Antibody

Catalog # AP60792

Product Information

Application	WB, IHC
Primary Accession	Q12882
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	111401

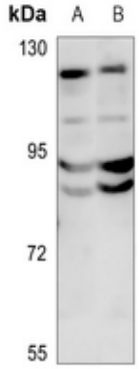
Additional Information

Gene ID	1806
Other Names	DIHCydropyrimidine dehydrogenase [NADP(+)]; DHPDHase; DPD; DIHCydrothymine dehydrogenase; DIHCydrouracil dehydrogenase
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human DPD. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

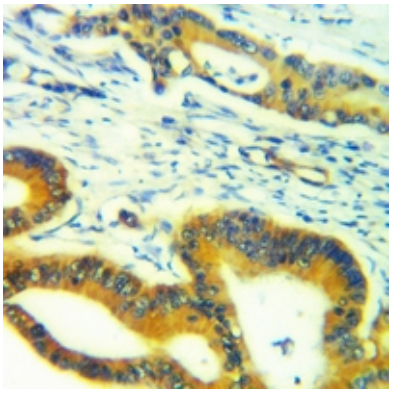
Protein Information

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

Images



Western blot analysis of DPD expression in mouse liver (A), rat liver (B) whole cell lysates. (Predicted band size: 111 kD; Observed band size: 115 kD)



Immunohistochemical analysis of DPD staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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