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KD-Validated Anti-Dihydropyrimidine dehydrogenase Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1033

Product Information

Application	WB, FC, ICC
Primary Accession	Q12882
Reactivity	Rat, Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	24GB5990
Calculated MW	111401
Gene Name	DPYD
Aliases	DPYD; Dihydropyrimidine Dehydrogenase; DPD; Dihydrothymine Dehydrogenase; Dihydrouracil Dehydrogenase ; Dihydropyrimidine Dehydrogenase [NADP(+)]; EC 1.3.1.2; DHPDHase; DHPDHASE; DYPD; DHP
Immunogen	A synthesized peptide derived from human DPYD

Additional Information

Gene ID	1806
Other Names	Dihydropyrimidine dehydrogenase [NADP(+)], DHPDHase, DPD, 1.3.1.2, Dihydrothymine dehydrogenase, Dihydrouracil dehydrogenase, DPYD (HGNC:3012)

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

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