

Rabbit DPYD Polyclonal Antibody | anti-DPYD antibody

DPYD Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326274	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

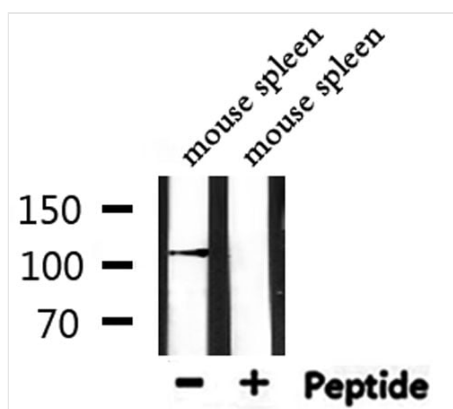
PRODUCT SYNONYMS

DPYD; Polyclonal Antibody; DPYD Antibody; DHP; DHPDHase; Dihydropyrimidine dehydrogenase [NADP(+)]; Dihydropyrimidine dehydrogenase [NADP+]; Dihydropyrimidine dehydrogenase; Dihydrothymine dehydrogenase; Dihydrouracil dehydrogenase; DPD; DPYD_HUMAN; MGC132008; MGC70799; OTTHUMP00000058954; anti-DPYD antibody

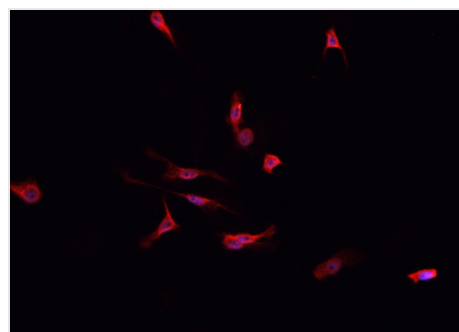
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DPYD antibody detects endogenous levels of total DPYD
Purity/Purification	Peptide affinity purification
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	1025
Applicable Applications for anti-DPYD antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DPYD, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

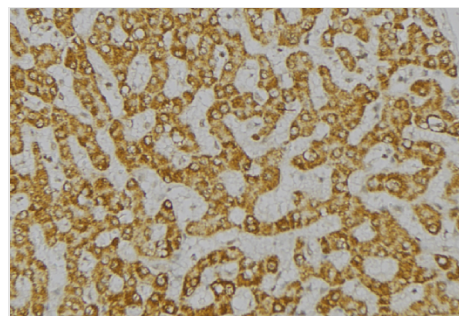
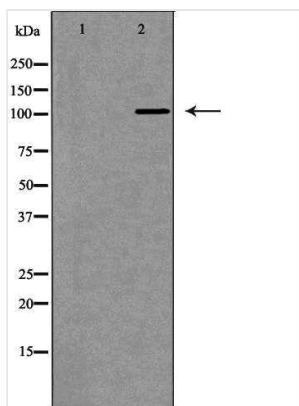
IMAGES


WB (Western Blot)

Western blot analysis of extracts from mouse spleen, using DPYD Antibody.


IF (Immunofluorescence)

AAA326274 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA326274 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)

Western blot analysis of Hela whole cell lysates, using DPYD Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-DPYD antibody

Description: Dihydropyrimidine dehydrogenase (DPD, DPYD) catalyzes the initial and rate-limiting step in uracil and thymidine catabolism as well as catabolism of the chemotherapeutic drug 5-fluorouracil (5-FU) and its derivatives. DPYD deficiency, which results from mutations in the DPYD gene, causes errors in pyrimidine metabolism and potentially life-threatening side effects in cancer patients treated with 5-FU (reviewed in 1). As a result, ongoing work examines whether or how DPYD gene variation and protein expression can be used to predict 5-FU toxicity (1, 2). Several genes that impart resistance to 5-FU were recently identified in human hepatocellular carcinoma (HCC). AEG-1, which is highly expressed in HCC, increases the expression of DPYD.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119943098
NCBI GeneID	1806
NCBI Accession #	NP_000101.2
NCBI GenBank Nucleotide #	NM_000110.3
UniProt Accession #	Q12882; Q16694; Q16761; Q32NB0; Q96HL6; Q96TH1; A2RRQ2; A2RRQ3; A8K5A2; A8MWG9; B1AN21; E9PFN1
Molecular Weight	110 kDa
NCBI Official Full Name	dihydropyrimidine dehydrogenase
NCBI Official Synonym Full Names	dihydropyrimidine dehydrogenase
NCBI Official Symbol	DPYD
NCBI Official Synonym Symbols	DHP; DPD; DHPDHASE
NCBI Protein Information	dihydropyrimidine dehydrogenase [NADP(+)]
UniProt Protein Name	Dihydropyrimidine dehydrogenase [NADP(+)]
UniProt Gene Name	DPYD
UniProt Synonym Gene Names	DHPDHase; DPD

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dpyd-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326274>