

Recombinant Anti-DPD Rabbit mAb

Catalog # AP95350

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	Q12882
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Calculated MW	111401

Additional Information

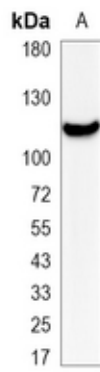
Gene ID	1806
Other Names	Dihydropyrimidine dehydrogenase [NADP(+)]; DHPDHase; DPD; Dihydrothymine dehydrogenase; Dihydrouracil dehydrogenase
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human DPD protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

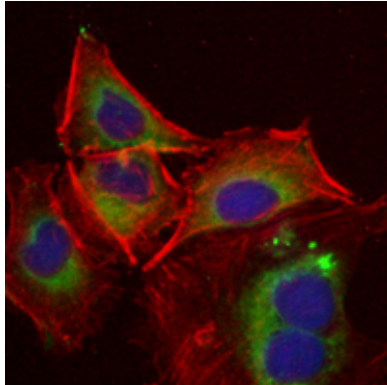
Name	DPYD (HGNC:3012)
Function	Involved in pyrimidine base degradation (PubMed: 1512248). Catalyzes the reduction of uracil and thymine (PubMed: 1512248). Also involved the degradation of the chemotherapeutic drug 5-fluorouracil (PubMed: 1512248).
Cellular Location	Cytoplasm.
Tissue Location	Found in most tissues with greatest activity found in liver and peripheral blood mononuclear cells

Images

Western blot analysis of DPD expression in HeLa (A)
whole cell lysates. (Predicted band size: 111 kD; Observed



band size: 111 kD)



Immunofluorescent analysis of DPD staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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