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DPYD Antibody

Rabbit mAb
Catalog # AP92556

Product Information

Application	WB, IHC, IF, FC, ICC, IHF
Primary Accession	Q12882
Reactivity	Human
Clonality	Monoclonal
Other Names	DHP; DHPDHase; DPD; DPYD;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	111401

Additional Information

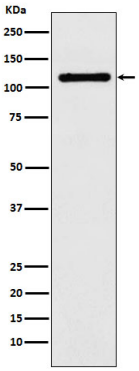
Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human DPYD
Description	Involved in pyrimidine base degradation. Catalyzes the reduction of uracil and thymine. Also involved the degradation of the chemotherapeutic drug 5-fluorouracil.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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 DPYD expression in HeLa cell lysate.



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