10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DPD Rabbit mAb

Catalog # AP75372

Product Information

Application	WB, IHC-P, FC
Primary Accession	Q12882
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	111401

Additional Information

Gene ID	1806
Other Names	DPYD
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:20-1:50
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

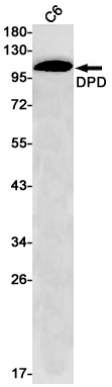
Name	DPYD (HGNC:3012)
Function	Catalyzes the reduction of uracil and thymine in the initial step of reductive pyrimidine catabolism, a pathway that yields beta- alanine from uracil and beta-aminoisobutyrate from thymine (PubMed:1512248). Also capable of degrading the chemotherapeutic drug 5-fluorouracil (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

Background

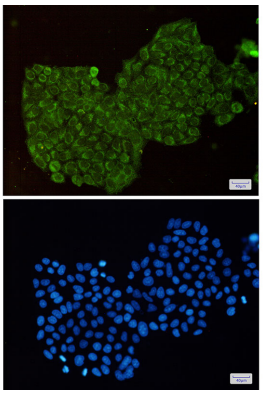
Involved in pyrimidine base degradation. Catalyzes the reduction of uracil and thymine. Also involved the

degradation of the chemotherapeutic drug 5-fluorouracil.

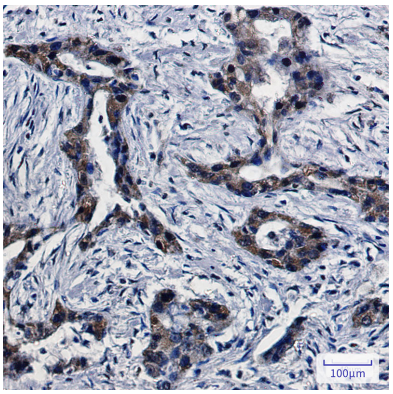
Images



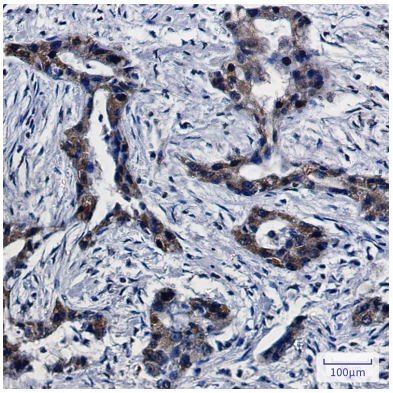
Western blot analysis of DPD in C6 lysates using DPD antibody.



Immunocytochemistry analysis of DPD(green) in Hela using DPD antibody,and DAPI(blue)



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using DPD antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



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