

# DPYD Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP22058b

#### **Product Information**

Application WB, E
Primary Accession Q12882
Other Accession Q5R895

**Reactivity** Human, Rat, Mouse

Host Rabbit
Clonality polyclonal
Isotype Rabbit IgG
Clone Names RB54986
Calculated MW 111401

#### **Additional Information**

**Gene ID** 1806

Other Names Dihydropyrimidine dehydrogenase [NADP(+)], DHPDHase, DPD, 1.3.1.2,

Dihydrothymine dehydrogenase, Dihydrouracil dehydrogenase, DPYD

**Target/Specificity** This DPYD antibody is generated from a rabbit immunized with a KLH

conjugated synthetic peptide between 841-875 amino acids from human

DPYD.

**Dilution** WB~~1:2000 E~~Use at an assay dependent concentration.

**Format** Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

**Storage** Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store

at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions** DPYD Antibody (C-Term) is for research use only and not for use in diagnostic

or therapeutic procedures.

#### **Protein Information**

Name DPYD ( HGNC:3012)

**Function** Involved in pyrimidine base degradation (PubMed: <u>1512248</u>). Catalyzes the

reduction of uracil and thymine (PubMed:<u>1512248</u>). 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

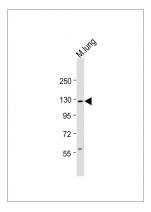
# **Background**

Involved in pyrimidine base degradation. Catalyzes the reduction of uracil and thymine. Also involved the degradation of the chemotherapeutic drug 5-fluorouracil.

### References

Yokota H.,et al.J. Biol. Chem. 269:23192-23196(1994). Johnson M.R.,et al.Cancer Res. 57:1660-1663(1997). Ogura K.,et al.Cancer Lett. 122:107-113(1998). Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases. Ota T.,et al.Nat. Genet. 36:40-45(2004).

## **Images**



Anti-DPYD Antibody (C-Term) at 1:2000 dilution + mouse lung lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 111 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.