

Datasheet for ABIN7178655
anti-DPYD antibody



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1 Image

Overview

Quantity:	100 µL
Target:	DPYD
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DPYD antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant protein of Human DPYD
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Affinity purification

Target Details

Target:	DPYD
Alternative Name:	DPYD (DPYD Products)
Background:	Background: 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

Target Details

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. 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. DPYD is expressed more highly in HCC than in normal liver, and this is thought to be one mechanism of 5-FU resistance.

Aliases: DHP antibody, DHPDHase antibody, Dihydropyrimidine dehydrogenase [NADP(+)] antibody, Dihydropyrimidine dehydrogenase [NADP+] antibody, Dihydropyrimidine dehydrogenase antibody, Dihydrothymine dehydrogenase antibody, Dihydrouracil dehydrogenase antibody, DPD antibody, DPYD antibody, DPYD_HUMAN antibody, MGC132008 antibody, MGC70799 antibody, OTTHUMP00000058954 antibody

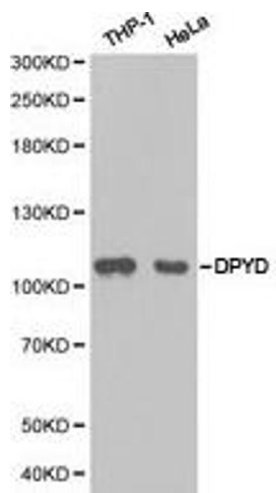
UniProt:	Q12882
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	WB:1:500-1:2000, IHC:1:50-1:200,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Store at -20 °C or -80 °C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using DPYD antibody.