ARG57931
anti-DPYD antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DPYD
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DPYD
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-173 of Human DPYD (NP_001153773.1).
Conjugation	Un-conjugated
Alternate Names	DHP; DPD; DHPDHASE; Dihydropyrimidine dehydrogenase [NADP(+)]; DHPDHase; DPD; EC 1.3.1.2; Dihydrothymine dehydrogenase; Dihydrouracil dehydrogenase

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	THP-1
Observed Size	~ 110 kDa

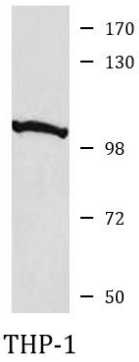
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	DPYD
Gene Full Name	dihydropyrimidine dehydrogenase
Background	The protein encoded by this gene is a pyrimidine catabolic enzyme and the initial and rate-limiting factor in the pathway of uracil and thymidine catabolism. Mutations in this gene result in dihydropyrimidine dehydrogenase deficiency, an error in pyrimidine metabolism associated with thymine-uraciluria and an increased risk of toxicity in cancer patients receiving 5-fluorouracil chemotherapy. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]
Function	Involved in pyrimidine base degradation. Catalyzes the reduction of uracil and thymine. Also involved the degradation of the chemotherapeutic drug 5-fluorouracil. [UniProt]
Calculated Mw	111 kDa
Cellular Localization	Cytoplasm. [UniProt]

Images



ARG57931 anti-DPYD antibody WB image

Western blot: 25 µg of THP-1 cell lysate stained with ARG57931 anti-DPYD antibody at 1:1000 dilution.