

KD-Validated Anti-Dihydropyrimidine dehydrogenase Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1033

Specification

KD-Validated Anti-Dihydropyrimidine dehydrogenase Rabbit Monoclonal Antibody - Product Information

Application WB, FC, ICC
Primary Accession
Reactivity Rat, Human
Clonality Monoclonal
Isotype Rabbit IgG

Calculated MW Predicted, 111 kDa, observed, 110 kDa

KDa

Gene Name DPYD

Aliases DPYD; Dihydropyrimidine Dehydrogenase;

DPD; Dihydrothymine Dehydrogenase;

Dihydrouracil Dehydrogenase; Dihydropyrimidine Dehydrogenase [NADP(+)]; EC 1.3.1.2; DHPDHase;

DHPDHASE; DYPD; DHP

Immunogen A synthesized peptide derived from human

DPYD

KD-Validated Anti-Dihydropyrimidine dehydrogenase Rabbit Monoclonal Antibody - Additional Information

Gene ID **1806**

Other Names

Dihydropyrimidine dehydrogenase [NADP(+)], DHPDHase, DPD, 1.3.1.2, Dihydrothymine dehydrogenase, Dihydrouracil dehydrogenase, DPYD (<a

href="http://www.genenames.org/cgi-bin/gene symbol report?hgnc id=3012"

target=" blank">HGNC:3012)

KD-Validated Anti-Dihydropyrimidine dehydrogenase Rabbit Monoclonal Antibody - Protein Information

Name DPYD (HGNC:3012)

Function

Involved in pyrimidine base degradation (PubMed:1512248). Catalyzes the reduction of uracil and thymine (PubMed:1512248). Also involved the degradation of the chemotherapeutic drug 5-fluorouracil (PubMed:1512248).

Cellular Location



Cytoplasm.

Tissue Location

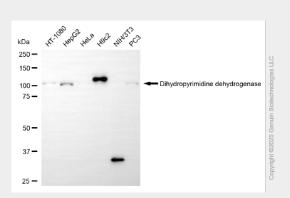
Found in most tissues with greatest activity found in liver and peripheral blood mononuclear cells

KD-Validated Anti-Dihydropyrimidine dehydrogenase Rabbit Monoclonal Antibody - Protocols

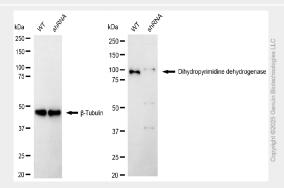
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

KD-Validated Anti-Dihydropyrimidine dehydrogenase Rabbit Monoclonal Antibody - Images



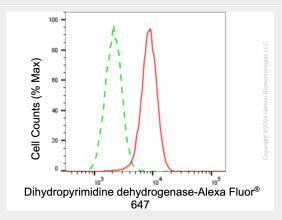
Western blotting analysis using anti-dihydropyrimidine dehydrogenase antibody (Cat#AGI1033). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-dihydropyrimidine dehydrogenase antibody (Cat#AGI1033, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Dihydropyrimidine dehydrogenase antibody (Cat#AGI1033). Dihydropyrimidine dehydrogenase expression in wild type (WT) and Dihydropyrimidine dehydrogenase shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-Dihydropyrimidine dehydrogenase antibody



(Cat#AGI1033, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of dihydropyrimidine dehydrogenase expression in H9c2 cells using dihydropyrimidine dehydrogenase antibody (Cat#AGI1033, 1:2,000). Green, isotype control; red, dihydropyrimidine dehydrogenase.