



# Mouse anti-Human DPYS monoclonal antibody, clone 4C2 (CABT-B10135)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	DPYS (NP_001376, 422 a.a. ~ 520 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	4C2
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	sELISA, ELISA
<b>Sequence Similarities</b>	AVNFNIFEGMVCHGVPLVTISRGKVVYEAGVFSVTAGDGKFIPRKPF <sup>AEYIYKRIKQRDR</sup> TCTPTPVERAPYKGEVATLKSRTKEDATAGTRKQAHP*
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	In 1x PBS, pH 7.2
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## BACKGROUND

<b>Introduction</b>	Dihydropyrimidinase catalyzes the conversion of 5,6-dihydrouracil to 3-ureidopropionate in pyrimidine metabolism. Dihydropyrimidinase is expressed at a high level in liver and kidney as
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a major 2.5-kb transcript and a minor 3.8-kb transcript. Defects in the DPYS gene are linked to dihydropyrimidinuria. [provided by RefSeq, Jul 2008]

**Keywords** DPYS; dihydropyrimidinase; DHP; DHPase; hydantoinase; dihydropyrimidine amidohydrolase;

## GENE INFORMATION

Entrez Gene ID	<a href="#">1807</a>
UniProt ID	<a href="#">Q14117</a>
Pathway	Drug metabolism - other enzymes, organism-specific biosystem; Drug metabolism - other enzymes, conserved biosystem; Fluoropyrimidine Activity, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem; Pantothenate and CoA biosynthesis, organism-specific biosystem
Function	amino acid binding; dihydropyrimidinase activity; dihydropyrimidinase activity; dihydropyrimidinase activity; metal ion binding; phosphoprotein binding; thymine binding; uracil binding; zinc ion binding