



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

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

BACKGROUND

Introduction	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;
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GENE INFORMATION

Entrez Gene ID	1807
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UniProt ID	Q14117
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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
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Function	amino acid binding; dihydropyrimidinase activity; dihydropyrimidinase activity; dihydropyrimidinase activity; metal ion binding; phosphoprotein binding; thymine binding; uracil binding; zinc ion binding
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