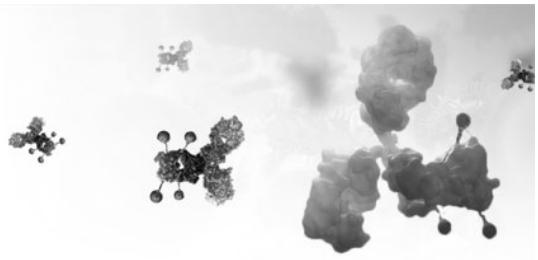

Anti-ALDH1L1 monoclonal antibody, clone 4C22 (DCABH-670)

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

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to ALDH1L1
Antigen Description	The protein encoded by this gene catalyzes the conversion of 10-formyltetrahydrofolate, NADP, and water to tetrahydrofolate, NADPH, and carbon dioxide. The encoded protein belongs to the aldehyde dehydrogenase family and is responsible for formate oxidation in vivo. Deficiencies in this gene can result in an accumulation of formate and subsequent methanol poisoning.
Immunogen	Recombinant full length Human ALDH1L1 produced in HEK293T cells (NP_036322).
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Rat, Human, African green monkey
Clone	4C22
Purity	Protein G purified
Purification	This antibody is purified from Mouse ascites fluids by affinity chromatography.
Conjugate	Unconjugated
Applications	WB
Positive Control	HEK293T cells lysate transfected with pCMV6-ENTRY ALDH1L1; HepG2, HeLa, HT29, A549, COS7, Jurkat, MDCK, PC12 and MCF7 cell extracts.
Format	Liquid
Size	100 µl

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Buffer	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 50% Glycerol, 48% PBS, 1% BSA
Preservative	0.02% Sodium Azide
Storage	store at -20°C. Avoid repeated freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	ALDH1L1 aldehyde dehydrogenase 1 family, member L1 [Homo sapiens]
Official Symbol	ALDH1L1
Synonyms	ALDH1L1; aldehyde dehydrogenase 1 family, member L1; formyltetrahydrofolate dehydrogenase , FTHFD; cytosolic 10-formyltetrahydrofolate dehydrogenase; 10 fTHF; cytosolic 10 formyltetrahydrofolate dehydrogenase; 10-FTHFDH; formyltetrahydrofolate dehydrogena
Entrez Gene ID	10840
Protein Refseq	NP_036322
UniProt ID	O75891
Chromosome Location	3q21.2
Pathway	One Carbon Metabolism, organism-specific biosystem; One carbon pool by folate, organism-specific biosystem; One carbon pool by folate, conserved biosystem;
Function	acyl carrier activity; catalytic activity; cofactor binding; formyltetrahydrofolate dehydrogenase activity; hydroxymethyl-, formyl- and related transferase activity; methyltransferase activity; oxidoreductase activity; oxidoreductase activity, acting on t

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