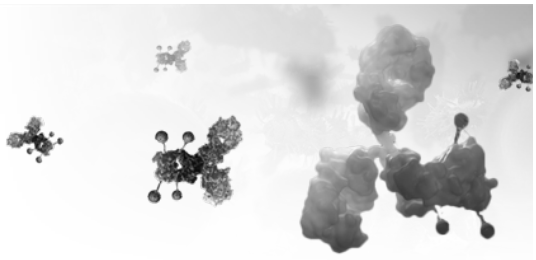

Mouse anti-Human ECH1 monoclonal antibody, clone 6H9 (CABT-B10158)

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

PRODUCT INFORMATION

Immunogen	ECH1 (NP_001389, 21 a.a. ~ 121 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	6H9
Conjugate	Unconjugated
Applications	WB,ELISA
Sequence Similarities	GSNYPGLSISLRLTGSSAQEEASGVALGEAPDHSYESLRVTSAQKHVLHVQLNRPNKRNA MNKVFWREMVECFNKISRDADCRAVVISGAGKMFTAGIDL*
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	This gene encodes a member of the hydratase/isomerase superfamily. The gene product shows high sequence similarity to enoyl-coenzyme A (CoA) hydratases of several species,

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	particularly within a conserved domain characteristic of these proteins. The encoded protein, which contains a C-terminal peroxisomal targeting sequence, localizes to the peroxisome. The rat ortholog, which localizes to the matrix of both the peroxisome and mitochondria, can isomerize 3-trans,5-cis-dienoyl-CoA to 2-trans,4-trans-dienoyl-CoA, indicating that it is a delta3,5-delta2,4-dienoyl-CoA isomerase. This enzyme functions in the auxiliary step of the fatty acid beta-oxidation pathway. Expression of the rat gene is induced by peroxisome proliferators. [provided by RefSeq, Jul 2008]
Keywords	ECH1; enoyl CoA hydratase 1, peroxisomal; HPXEL; delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial; dienoyl-CoA isomerase; peroxisomal enoyl-CoA hydratase 1; delta3,5-delta2,4-dienoyl-CoA isomerase; enoyl Coenzyme A hydratase 1, peroxisomal;

GENE INFORMATION

Entrez Gene ID	1891
UniProt ID	Q13011
Pathway	Fatty Acid Biosynthesis, organism-specific biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem
Function	enoyl-CoA hydratase activity; isomerase activity; protein binding

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