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Datasheet for ABIN5001711

anti-ECH1 antibody (AA 21-120) (Alexa Fluor 750)

Overview

Quantity:	100 µL
Target:	ECH1
Binding Specificity:	AA 21-120
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ECH1 antibody is conjugated to Alexa Fluor 750
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ECH1
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat
Purification:	Purified by Protein A.

Target Details

Target:	ECH1
Alternative Name:	ECH1 (ECH1 Products)

Target Details

Background: Synonyms: 4-dienoyl-CoA isomerase, 5-Delta2, Delta3 5 Delta2 4 dienoyl CoA isomerase, Delta3 5 Delta2 4 dienoyl CoA isomerase mitochondrial, Delta3, Delta3 5 delta2 4 dienoyl CoA isomerase, Dienoyl CoA isomerase, ECH 1, Ech1, ECH1_HUMAN, Enoyl Coenzyme A hydratase 1, Enoyl Coenzyme A hydratase 1 peroxisomal, HPXEL, mitochondrial, MS1034, Peroxisomal enoyl CoA hydratase 1, Peroxisomal enoyl coenzyme A hydratase like protein.

Background: ECH1 is a 328 amino acid protein that localizes to both the mitochondrion and the peroxisome and belongs to the hydratase/isomerase superfamily. Existing as a homohexamer, ECH1 is involved in the fatty acid-beta oxidation pathway, specifically functioning to catalyze the isomerization of 3-trans,5-cis-dienoyl-CoA to 2-trans,4-trans-dienoyl-CoA. The gene encoding ECH1 maps to human chromosome 19, which is the genetic home for a number of immunoglobulin superfamily members, including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG family and Fc receptors (FcRs).

Gene ID: 1891

Pathways: [Monocarboxylic Acid Catabolic Process](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months