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Datasheet for ABIN5001710  
**anti-ECH1 antibody (AA 21-120) (Alexa Fluor 680)**

### 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 680
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 ( <a href="#">ECH1 Products</a> )

## Target Details

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**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).

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**Gene ID:** 1891

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**Pathways:** [Monocarboxylic Acid Catabolic Process](#)

## Application Details

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

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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

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**Preservative:** ProClin

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

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**Storage:** -20 °C

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

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## Handling

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Expiry Date: 12 months