

Datasheet for ABIN6139918  
**anti-ECH1 antibody (AA 1-328)**



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2 Images

## Overview

Quantity:	100 µL
Target:	ECH1
Binding Specificity:	AA 1-328
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ECH1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-328 of human ECH1 (NP_001389.2).
Sequence:	MAAGIVASRR LRDLLTRRLT GSNYPGLSIS LRLTGSSAQE EASGVALGEA PDHSYESLRV TSAQKHVLHV QLNRPNKRNA MNKVFVREMV ECFNKISRDA DCRAVVISGA GKMFTAGIDL MDMASDILQP KGDDVARISW YLRDIITRYQ ETFNVIERCP KPVIAAVHGG CIGGGVDLVT ACDIRYCAQD AFFQVKEVDV GLAADVGTLQ RLPKVIGNQS LVNELAFTAR KMMADEALGS GLVSRVFPDK EVMLDAALAL AAEISSKSPV AVQSTKVNLL YSRDHSVAES LNYVASWNMS MLQTQDLVKS VQATTENKEL KTVTF SKL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Product Details

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Purification: Affinity purification

## Target Details

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Target: ECH1

Alternative Name: ECH1 ([ECH1 Products](#))

Background: 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, 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.,ECH1,HPXEL,Signal Transduction,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial markers,Lipid Metabolism,Cardiovascular,Lipids,Fatty Acids,ECH1

Molecular Weight: 35 kDa

Gene ID: 1891

UniProt: [Q13011](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

## Application Details

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Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200

Comment: HIGH QUALITY

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

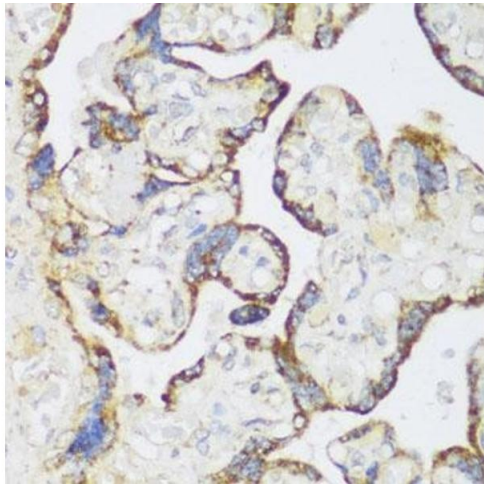
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Storage: -20 °C

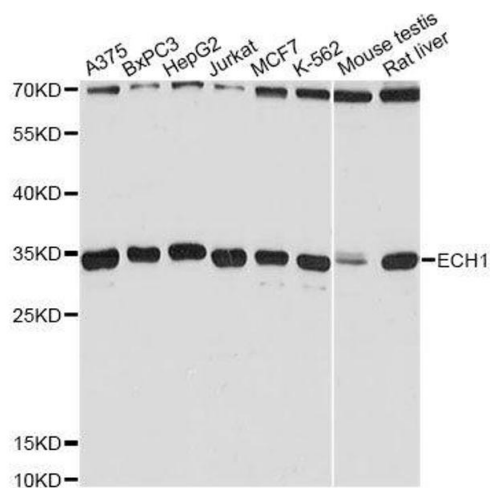
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Images



### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human placenta using ECH1 antibody at dilution of 1:150 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using ECH1 Antibody.