

## ECH1 Polyclonal Antibody

**Catalog No.** E-AB-64390

*Note:* Centrifuge before opening to ensure complete recovery of vial contents.

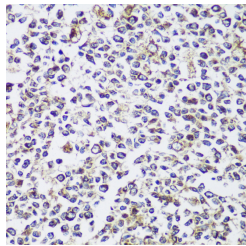
### Description

<b>Reactivity</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant fusion protein of human ECH1 (NP_001389.2).
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

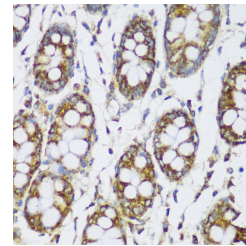
### Applications Recommended Dilution

**IHC** 1:50-1:200

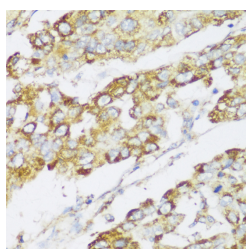
### Data



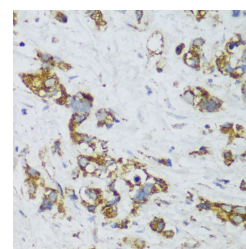
Immunohistochemistry of paraffin-embedded Human tonsil using ECH1 Polyclonal Antibody at dilution of 1:150 (40x lens).



Immunohistochemistry of paraffin-embedded Human colon using ECH1 Polyclonal Antibody at dilution of 1:150 (40x lens).

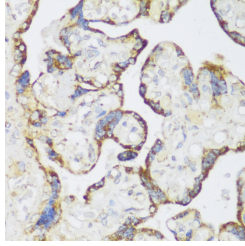


Immunohistochemistry of paraffin-embedded Human liver cancer using ECH1 Polyclonal Antibody at dilution of 1:150 (40x lens).

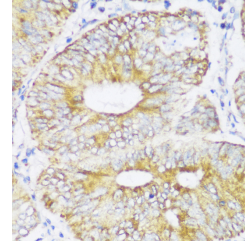


Immunohistochemistry of paraffin-embedded Human gastric cancer using ECH1 Polyclonal Antibody at dilution of 1:150 (40x lens).

### For Research Use Only



Immunohistochemistry of paraffin-embedded Human placenta using ECH1 Polyclonal Antibody at dilution of 1:150 (40x lens).



Immunohistochemistry of paraffin-embedded Human colon carcinoma using ECH1 Polyclonal Antibody at dilution of 1:150 (40x lens).

## Preparation & Storage

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

## 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.

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