

# DCI Polyclonal Antibody

Catalog # AP73412

## Product Information

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Application	WB, IHC-P
Primary Accession	<a href="#">P42126</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32816

## Additional Information

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Gene ID	1632
Other Names	ECI1; DCI; Enoyl-CoA delta isomerase 1, mitochondrial; 3, 2-trans-enoyl-CoA isomerase; Delta(3), Delta(2)-enoyl-CoA isomerase; D3, D2-enoyl-CoA isomerase; Dodecenoyl-CoA isomerase
Dilution	WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications. IHC-P~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

## Protein Information

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Name	ECI1
Synonyms	DCI
Function	Key enzyme of fatty acid beta-oxidation (Probable). Able to isomerize both 3-cis (3Z) and 3-trans (3E) double bonds into the 2- trans (2E) form in a range of enoyl-CoA species, with a preference for (3Z)-enoyl-CoAs over (3E)-enoyl-CoAs (By similarity) (PubMed: <a href="#">7818490</a> ). The catalytic efficiency of this enzyme is not affected by the fatty acyl chain length (By similarity).
Cellular Location	Mitochondrion matrix {ECO:0000250 UniProtKB:P23965}
Tissue Location	Expressed in liver (at protein level).

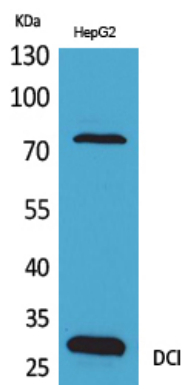
## Background

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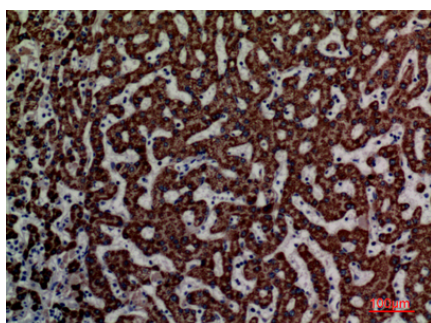
Able to isomerize both 3-cis and 3-trans double bonds into the 2-trans form in a range of enoyl-CoA species.

## Images

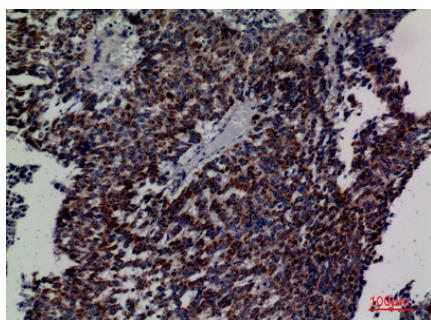
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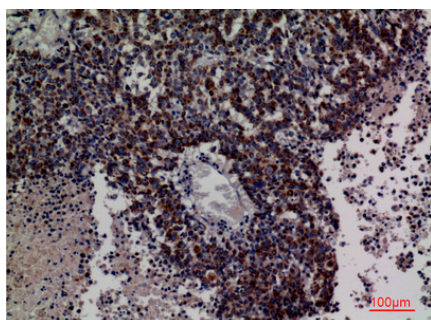
Western Blot analysis of HepG2 cells using DCI Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-lung-cancer, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-lung-cancer, antibody was diluted at 1:100

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.