

DCI Polyclonal Antibody

Catalog No: YT5229

Reactivity: Human; Rat; Mouse;

Applications: WB;IHC;IF;ELISA

Target: DCI

Fields: >>Fatty acid degradation

Gene Name: ECI1

Protein Name: Enoyl-CoA delta isomerase 1 mitochondrial

P42126

P42125

Human Gene ld: 1632

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Immunogen: Synthesized peptide derived from DCI . at AA range: c-terminal

Specificity: DCI Polyclonal Antibody detects endogenous levels of DCI protein.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:20000.. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

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Observed Band: 30kD

Cell Pathway : Fatty acid metabolism;

Background : This gene encodes a member of the hydratase/isomerase superfamily. The

protein encoded is a key mitochondrial enzyme involved in beta-oxidation of unsaturated fatty acids. It catalyzes the transformation of 3-cis and 3-trans-enoyl-

CoA esters arising during the stepwise degradation of cis-, mono-, and

polyunsaturated fatty acids to the 2-trans-enoyl-CoA intermediates. Alternatively spliced transcript variants have been described. [provided by RefSeq, May 2010],

Function: catalytic activity:(3Z)-dodec-3-enoyl-CoA = (2E)-dodec-2-enoyl-

CoA.,function:Able to isomerize both 3-cis and 3-trans double bonds into the 2-trans form in a range of enoyl-CoA species.,pathway:Lipid metabolism; fatty acid beta-oxidation.,similarity:Belongs to the enoyl-CoA hydratase/isomerase

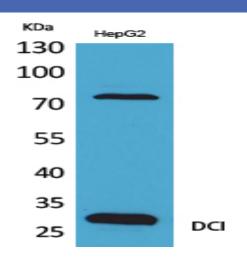
family.,subunit:Homotrimer.,

Subcellular Location:

Mitochondrion matrix.

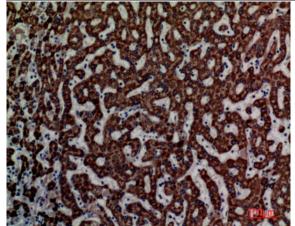
Expression: Expressed in liver (at protein level).

Products Images



Western Blot analysis of HepG2 cells using DCI Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000





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