

Product Name: DCI Rabbit Polyclonal Antibody
Catalog #: APRab09836



Summary

Production Name	DCI Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC,
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	ECI1 ECI1; DCI; Enoyl-CoA delta isomerase 1, mitochondrial; 3,2-trans-enoyl-CoA isomerase;
Alternative Names	Delta(3),Delta(2)-enoyl-CoA isomerase; D3,D2-enoyl-CoA isomerase; Dodecenoyl-CoA isomerase
Gene ID	1632.0
SwissProt ID	P42126.Synthesized peptide derived from DCI . at AA range: c-terminal

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC-p: 1:100-300 ELISA: 1:20000..
Molecular Weight	30kD

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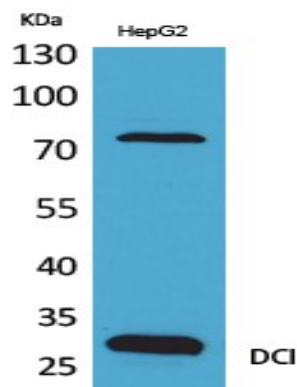
Background

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], 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.,

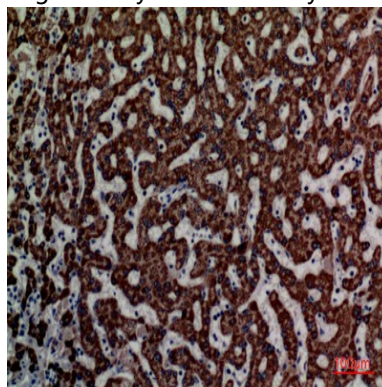
Research Area

Fatty acid metabolism;

Image Data

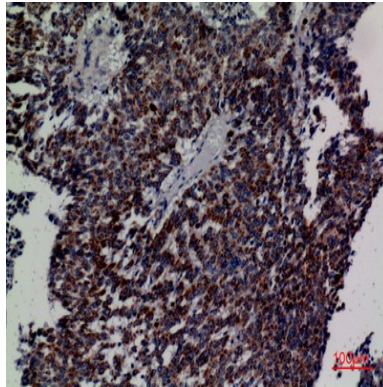


Western Blot analysis of HepG2 cells using DCI Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

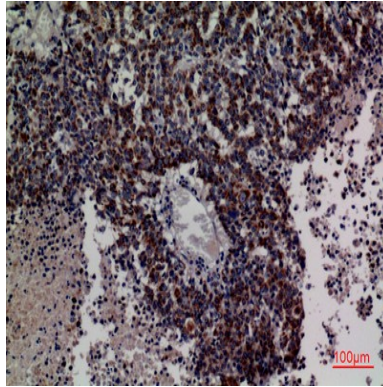


Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100

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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

Note

For research use only.