

**DCI Polyclonal Antibody**  
Catalog # AP73412**Specification****DCI Polyclonal Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P42126</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>

**DCI Polyclonal Antibody - Additional Information****Gene ID** 1632**Other Names**

EC11; 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.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**DCI Polyclonal Antibody - Protein Information****Name** EC11**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:&lt;a href="http://www.uniprot.org/citations/7818490" target="\_blank"&gt;7818490&lt;/a&gt;). 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**

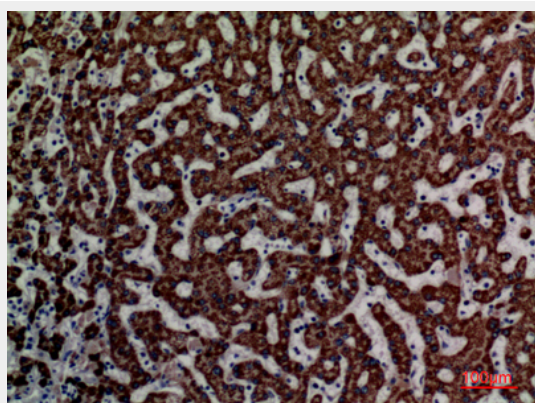
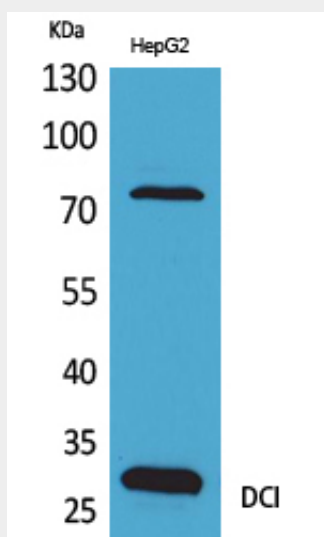
Expressed in liver (at protein level).

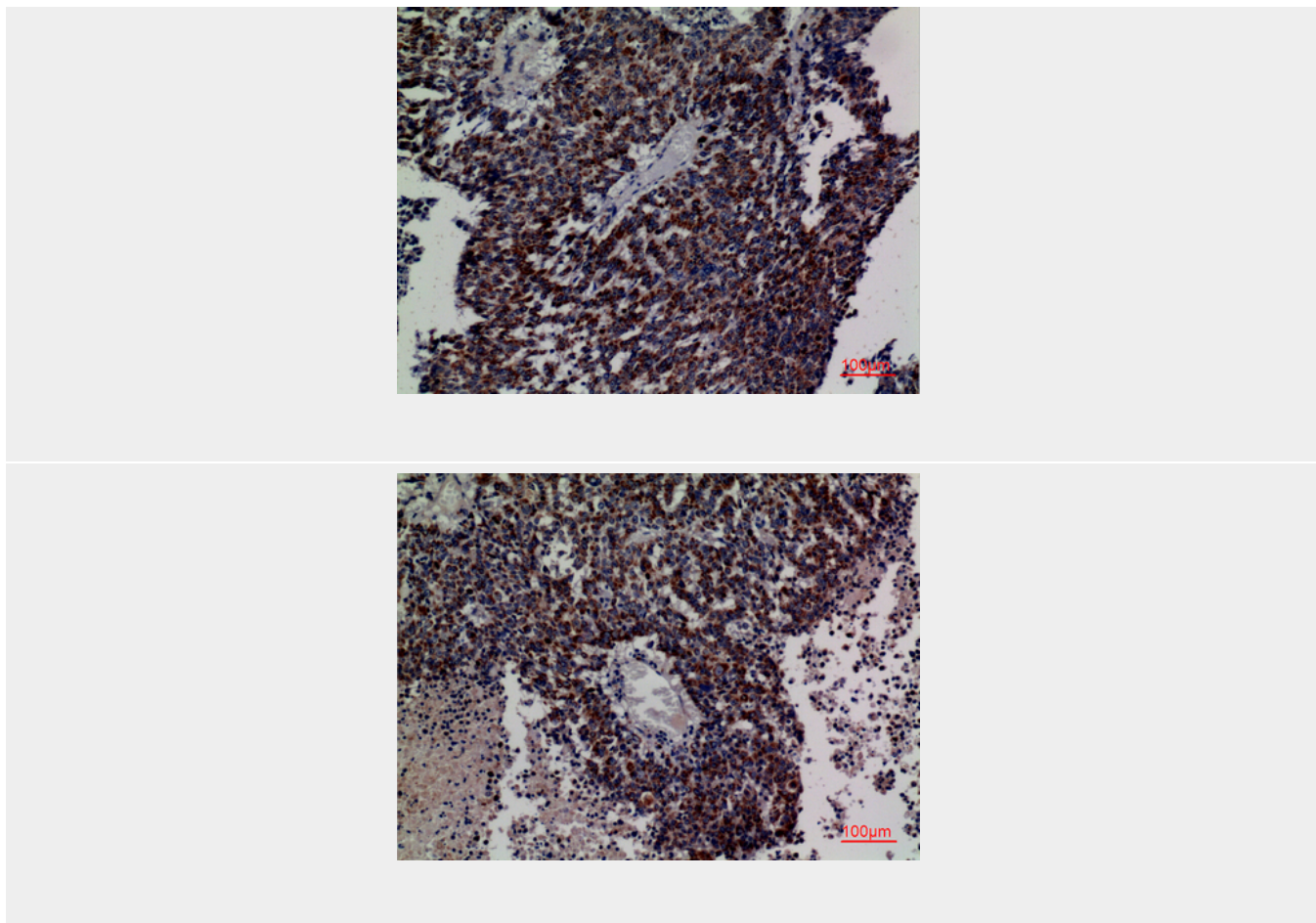
## DCI Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## DCI Polyclonal Antibody - Images





#### **DCI Polyclonal Antibody - Background**

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