

For Research Use Only

# DCI Polyclonal antibody

Catalog Number: 11535-1-AP

1 Publications



## Basic Information

### Catalog Number:

11535-1-AP

### Size:

500 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2094

### GenBank Accession Number:

BC020228

### GeneID (NCBI):

1632

### UNIPROT ID:

P42126

### Full Name:

dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)

### Calculated MW:

302 aa, 33 kDa

### Observed MW:

31 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:12000

IHC 1:20-1:200

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB** : COLO 320 cells, human lung tissue, human brain tissue, human kidney tissue, BxPC-3 cells, HEK-293 cells, HeLa cells, mouse liver tissue, rat liver tissue

**IHC** : human prostate cancer tissue,

**IF/ICC** : HEK-293 cells, BxPC-3 cells

## Background Information

EC11(enoyl-CoA delta isomerase 1, mitochondrial) is also named as DCI(dodecenoyl-CoA isomerase) and belongs to the enoyl-CoA hydratase/isomerase family. It is able to isomerize both 3-cis and 3-trans double bonds into the 2-trans form in a range of enoyl-CoA species. The full length protein has a transit peptide and 2 isoforms produced by alternative splicing and can exist as a homotrimer(PMID:15351645).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuqi Wang	39591965	Cell	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

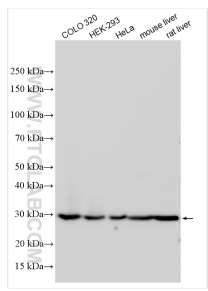
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

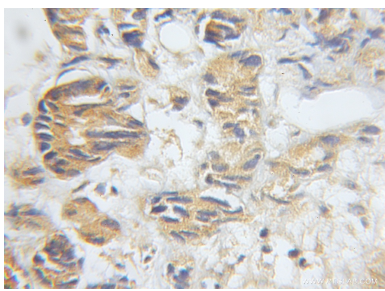
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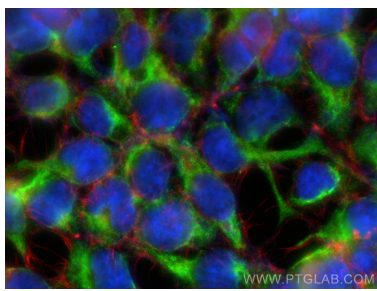
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11535-1-AP (DCI antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 11535-1-AP (DCI antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using DCI antibody (11535-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).