

For Research Use Only

DCI Polyclonal antibody

Catalog Number: 11535-1-AP

1 Publications



Basic Information

Catalog Number: 11535-1-AP	GenBank Accession Number: BC020228	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 150 ug/ml by Nanodrop and 150 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1632	Recommended Dilutions: WB 1:2000-1:12000
Source: Rabbit	UNIPROT ID: P42126	IHC 1:20-1:200
Isotype: IgG	Full Name: dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG2094	Calculated MW: 302 aa, 33 kDa	
	Observed MW: 31 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	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
Cited Applications: WB	IHC : human prostate cancer tissue,
Species Specificity: human, mouse, rat	IF/ICC : HEK-293 cells, BxPC-3 cells
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	

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

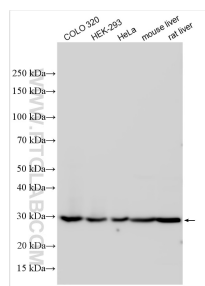
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

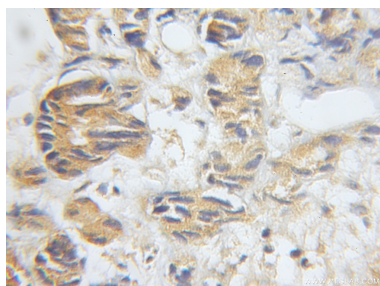
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

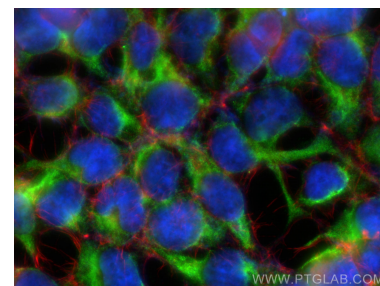
Selected Validation Data



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).