

Datasheet for ABIN3030698
anti-DCI antibody (C-Term)

6 Images

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Overview

Quantity:	100 µg
Target:	DCI (EC11)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DCI antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	An amino acid sequence from the C-terminus of human DCI (ADVQNFVSFISKDSIQKSL) was used as the immunogen for this DCI antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	DCI (EC11)
Alternative Name:	DCI (EC11 Products)
Background:	Dodecenoyl-CoA Delta Isomerase, also known as 3,2-trans-enoyl-CoA isomerase (EC11), is an enzyme that catalyzes the conversion of cis-or trans-double bonds of fatty acids at gamma-

Target Details

carbon(position 3) to trans double bonds at beta-carbon(position 2). It plays a particularly important role in the metabolism of unsaturated fatty acids. All classes of enoyl-CoA isomerases belong to a family of enzymes, the hydratase/isomerase or crotonase superfamily, and when examined with x-ray crystallography, exhibit a common structural feature of the family, the N-terminal core with a spiral fold composed of four turns, each turn consisting of two beta-sheets and one alpha-helix. Dodecenoyl-CoA Delta Isomerase/DCI is involved in the beta-oxidation, one of the most frequently used pathways in fatty acid degradation, of unsaturated fatty acids with double bonds at odd-numbered carbon positions. It does so by shifting the position of the double bonds in the acyl-CoA intermediates and converting 3-cis or trans-enoyl-CoA to 2-trans-enoyl-CoA.

UniProt: [P42126](#)

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the DCI antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 0.5-1 µg/mL,IHC (Paraffin): 0.5-1 µg/mL,Immunocytochemistry: 0.5-1 µg/mL

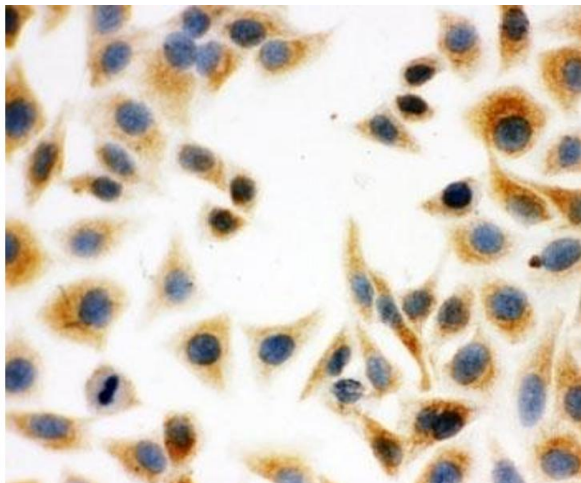
Restrictions: For Research Use only

Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

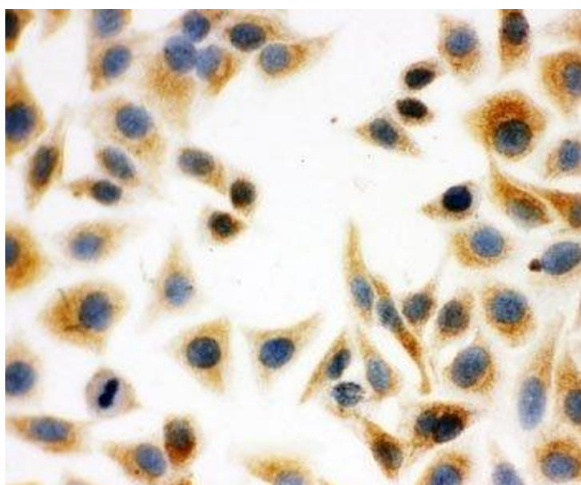
Storage: -20 °C

Storage Comment: After reconstitution, the DCI antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



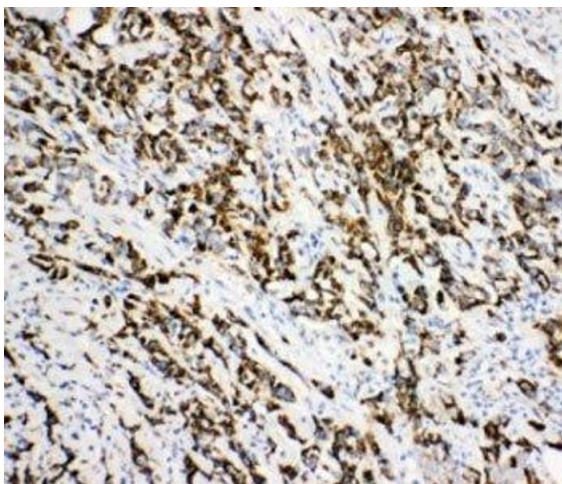
Immunocytochemistry

Image 1. ICC testing of HeLa cells



Immunocytochemistry

Image 2. ICC testing of HeLa cells



Immunohistochemistry

Image 3. IHC-P: DCI antibody testing of human breast cancer tissue

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN3030698.