abcam

ab250903

Anti-DCI antibody [EPR15375(B)] - BSA and Azide free

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	EPR15375(B)
Purification technique	Affinity purification Protein A

Reactivity data

ICC/IF

Tested

Species	Human
Dilution info	-
Notes	-

Expected

Species	Rat, Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

WB

Tested

Species	Rat, Human, Mouse
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

Expected

Species	Rat, Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

IHC-P

Tested

Species	Human
Dilution info	-
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Expected

Species	Rat, Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

Target data

See full target information ECI1

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:7818490). The catalytic efficiency of this enzyme is not affected by the fatty acyl chain length (By similarity).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab250903 is the carrier-free version of ab186752.

Patented technology

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Conjugation ready

Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes,

oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility
This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

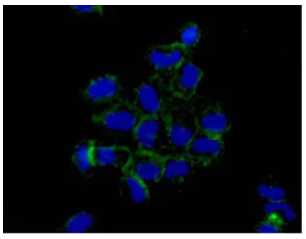
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

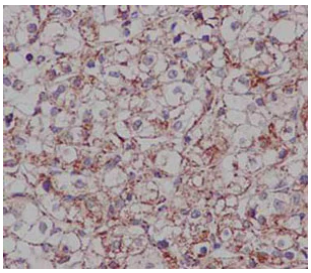
7 product images



Immunocytochemistry/ Immunofluorescence - Anti-DCI antibody [EPR15375(B)] - BSA and Azide free (ab250903)

DCI Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-DCI antibody

This data was developed using ab186752, the same antibody clone in a different buffer formulation.
Immunofluorescence analysis of HeLa cells labeling DCI with ab186752 at 1/100 dilution. Secondary ab: Goat anti rabbit IgG(Alexa Fluor® 488) at 1/200 dilution. Fixative: 4% paraformaldehyde. Counter stain: Dapi.

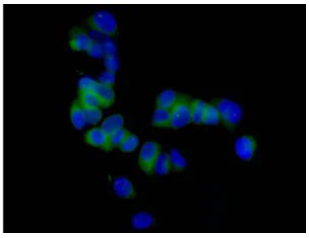


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DCI antibody [EPR15375(B)] - BSA and Azide free (ab250903)

DCI Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-DCI antibody

This data was developed using ab186752, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Human kidney clear cell carcinoma tissue labeling DCI with ab186752 at 1/100 dilution followed by pre-diluted HRP Polymer for Rabbit IgG secondary antibody and counter-stained with Hematoxylin.

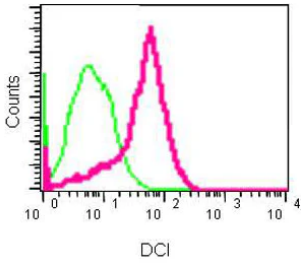
Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-DCI antibody [EPR15375(B)] - BSA and Azide free (ab250903)

DCI Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-DCI antibody

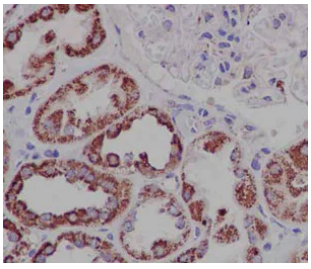
This data was developed using ab186752, the same antibody clone in a different buffer formulation.
Immunofluorescent analysis of 4% paraformaldehyde-fixed MCF7cells labeling DCI with ab186752 at 1/100 dilution followed by Goat anti rabbit IgG (AlexaFluor® 488) secondary at 1/200 dilution and counter-stained with DAPI (blue).



Flow Cytometry (Intracellular) - Anti-DCI antibody [EPR15375(B)] - BSA and Azide free (ab250903)

DCI Flow Cytometry (Intracellular) staining using rabbit Anti-DCI antibody

This data was developed using ab186752, the same antibody clone in a different buffer formulation.
Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed MCF7 cells labeling DCI with ab186752 at 1/240 dilution (red) or a rabbit IgG (negative) (green), followed by Goat anti rabbit IgG (FITC) secondary at 1/150 dilution.



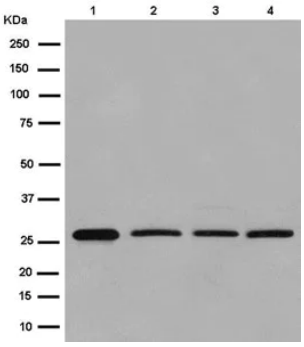
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DCI antibody [EPR15375(B)] - BSA and Azide free (ab250903)

DCI Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-DCI antibody

This data was developed using ab186752, the same antibody clone in a different buffer formulation.
Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling DCI with ab186752 at 1/100 dilution followed by pre-diluted HRP Polymer for Rabbit IgG secondary

antibody and counter-stained with Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Western blot - Anti-DCI antibody [EPR15375(B)] - BSA and Azide free (ab250903)

This data was developed using ab186752, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-DCI antibody [EPR15375(B)] (ab186752) at 1/50000 dilution

Lane 1:
Human fetal liver cell lysate at 20 µg

Lane 2:
MCF7 cell lysate at 20 µg

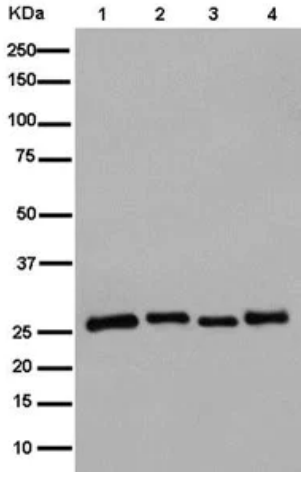
Lane 3:
293T cell lysate at 20 µg

Lane 4:
HeLa cell lysate at 20 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 33 kDa



Western blot - Anti-DCI antibody [EPR15375(B)] - BSA and Azide free (ab250903)

DCI Western blot staining using rabbit Anti-DCI antibody

This data was developed using ab186752, the same antibody clone in a different buffer formulation.
All lanes:
Western blot - Anti-DCI antibody [EPR15375(B)] (ab186752) at 1/10000 dilution

Lane 1:
C6 cell lysate at 10 µg

Lane 2:
RAW 264.7 cell lysate at 10 µg

Lane 3:
PC12 cell lysate at 10 µg

Lane 4:
NIH 3T3 cell lysate at 10 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 33 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.