

Datasheet for ABIN2773922
anti-DCI antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	DCI (ECI1)
Binding Specificity:	N-Term
Reactivity:	Human, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DCI antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human DCI
Sequence:	ALVASVRVPA RVLLRAGARL PGAALGRTER AAGGGDGARR FGSQRVLVEP
Predicted Reactivity:	Cow: 87%, Human: 100%
Characteristics:	This is a rabbit polyclonal antibody against DCI. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	DCI (ECI1)
Alternative Name:	DCI (ECI1 Products)

Target Details

Background:	DCI is a member of the hydratase/isomerase superfamily. It is a key mitochondrial enzyme involved in beta-oxidation of unsaturated fatty acids. It catalyzes the transformation of 3-cis and 3-trans-enoyl-CoA esters arising during the stepwise degradation of cis-, mono-, and polyunsaturated fatty acids to the 2-trans-enoyl-CoA intermediates. Alternatively spliced transcript variants have been described, but their full-length nature has not been determined. This gene encodes a member of the hydratase/isomerase superfamily. The protein encoded is a key mitochondrial enzyme involved in beta-oxidation of unsaturated fatty acids. It catalyzes the transformation of 3-cis and 3-trans-enoyl-CoA esters arising during the stepwise degradation of cis-, mono-, and polyunsaturated fatty acids to the 2-trans-enoyl-CoA intermediates. Alternatively spliced transcript variants have been described, but their full-length nature has not been determined. Alias Symbols: DCI Protein Interaction Partner: MAPKAP1, POT1, APP, ACOX1, UBC, ICT1, Protein Size: 302
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Molecular Weight:	29 kDa
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Gene ID:	1632
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NCBI Accession:	NM_001919 , NP_001910
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UniProt:	P42126
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 302 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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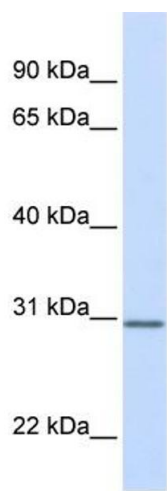
Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
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Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-DCI Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human brain