

Rabbit anti-Human DCI Polyclonal Antibody | anti-ECI1 antibody

DCI Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286630	Rabbit	Human	Western Blot, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

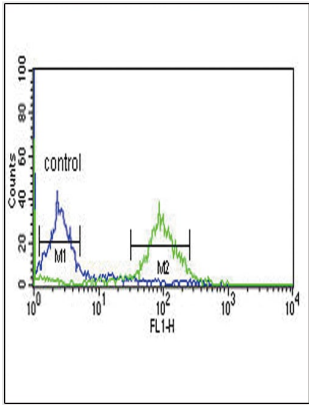
PRODUCT SYNONYMS

DCI; Polyclonal Antibody; DCI Antibody (C-term); Enoyl-CoA delta isomerase 1; mitochondrial; 2-trans-enoyl-CoA isomerase; Delta(3); Delta(2)-enoyl-CoA isomerase; D3; D2-enoyl-CoA isomerase; Dodecenoyl-CoA isomerase; ECI1; anti-ECI1 antibody

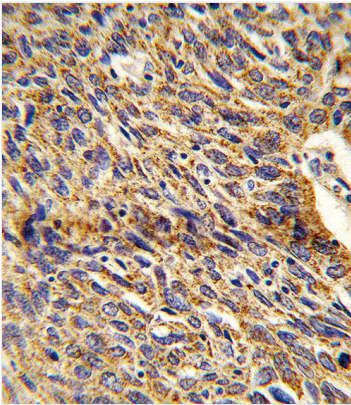
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DCI antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 275-302 amino acids from the C-terminal region of human DCI.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	275-302
Sequence Length	285
Applicable Applications for anti-ECI1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

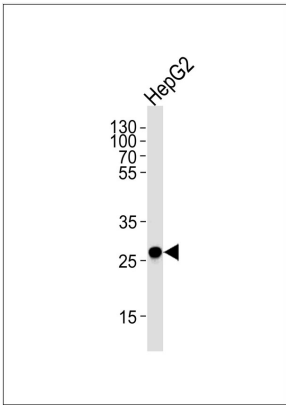
IMAGES



FCM/FACS (Flow Cytometry)
DCI Antibody (C-term) flow cytometric analysis of MCF-7 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma reacted with DCI Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
DCI Antibody (C-term) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the DCI antibody detected the DCI protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ECI1 antibody	DCI is 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.
Product Categories/Family for anti-ECI1 antibody	Crown Antibodies; Cancer; Cardiovascular; Metabolism; Signal Transduction
References	Takahashi,Y., et.al., Biochem. J. 304 (PT 3), 849-852 (1994)

NCBI AND UNIPROT INFORMATION

NCBI GI #	295842266
NCBI GeneID	1632
NCBI Accession #	NP_001171500.1; NP_001910.2
NCBI GenBank Nucleotide #	NM_001178029.1
UniProt Accession #	P42126; Q13290; Q7Z2L6; Q7Z2L7; Q9BUB8; Q9BW05; Q9UDG6; A8K512
Molecular Weight	32816

NCBI Official Full Name	enoyl-CoA delta isomerase 1, mitochondrial isoform 2
NCBI Official Synonym Full Names	enoyl-CoA delta isomerase 1
NCBI Official Symbol	ECI1
NCBI Official Synonym Symbols	DCI
NCBI Protein Information	enoyl-CoA delta isomerase 1, mitochondrial
UniProt Protein Name	Enoyl-CoA delta isomerase 1, mitochondrial
UniProt Gene Name	ECI1
UniProt Synonym Gene Names	DCI; D3,D2-enoyl-CoA isomerase
UniProt Entry Name	ECI1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dci-antibody-western-blot-flow-cytometry-immunohistochemistry-elisa/286630>