

Rabbit DCI Polyclonal Antibody | anti-ECI1 antibody

Anti-DCI antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA44916	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunohistochemistry, Western Blot

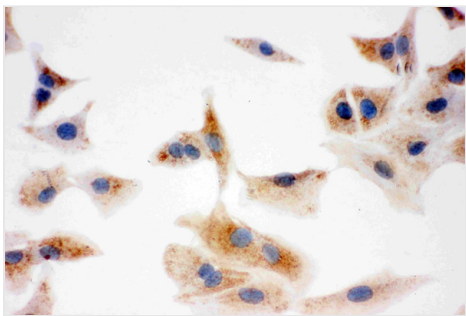
PRODUCT SYNONYMS

DCI; Polyclonal Antibody; Anti-DCI antibody; Enoyl-CoA delta isomerase 1; mitochondrial; enoyl-CoA delta isomerase 1; 3; 2 trans enoyl Coenzyme A isomerase antibody; Acetylene allene isomerase antibody; D3; D2 enoyl CoA isomerase antibody; DCI antibody; DCI protein antibody; Delta(3); Delta(2) enoyl CoA isomerase antibody; Delta3; delta2 enoyl CoA isomerase antibody; Dodecenoyl CoA delta Isomerase antibody; Dodecenoyl CoA isomerase antibody; Dodecenoyl Coenzyme A delta isomerase antibody; Dodecenoyl Coenzyme A delta isomerase(3; 2 trans enoyl Coenzyme A isomerase) antibody; Dodecenoyl Coenzyme A delta isomerase 3; 2 trans enoyl Coenzyme A isomerase; isoform CRA a antibody; anti-ECI1 antibody

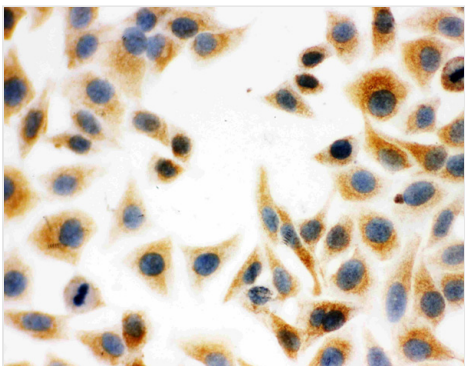
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	302
Applicable Applications for anti-ECI1 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human DCI (272-290aa ADVQNFVSFISKDSIQKSL), different from the related mouse sequence by two amino acids and from the related rat sequence by three amino acids.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

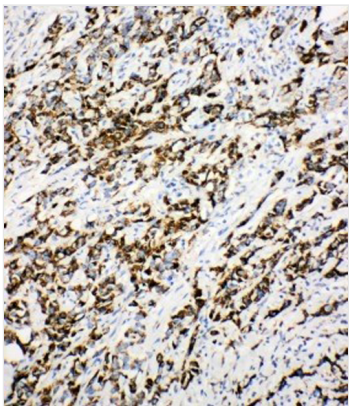
IMAGES



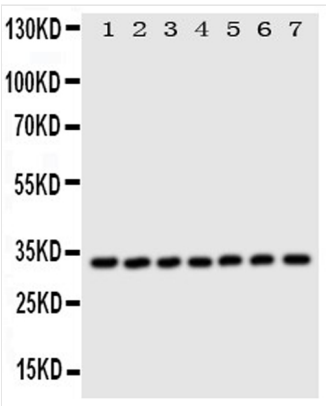
ICC (Immunocytochemistry)
Anti-DCI antibody, AAA44916, ICCICC: A549 Cell



ICC (Immunocytochemistry)
Anti-DCI antibody, AAA44916, ICCICC: HELA Cell



IHC (Immunohistochemistry)
Anti-DCI antibody, AAA44916, IHC(P)IHC(P): Human Mammary Cancer Tissue



WB (Western Blot)
Anti-DCI antibody, AAA44916, Western blottingAll lanes: Anti DCI (AAA44916) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Human Placenta Tissue Lysate at 50ugLane 3: A549 Whole Cell Lysate at 40ugLane 4: SMMC Whole Cell Lysate at 40ugLane 5: COLO320 Whole Cell Lysate at 40ugLane 6: HELA Whole Cell Lysate at 40ugLane 7: HT1080 Whole Cell Lysate at 40ugPredicted bind size: 33KDObserved bind size: 33KD

ADDITIONAL INFORMATION

Related Product Information for anti-ECI1 antibody	Description: Rabbit IgG polyclonal antibody for Enoyl-CoA delta isomerase 1, mitochondrial(ECI1) detection. Tested with WB, IHC-P, ICC in Human, Mouse, Rat. Background: ECI1/DCI(Dodecenoyl-CoA Delta Isomerase), also known as 3,2-trans-enoyl-CoA isomerase, is an enzyme that catalyzes the conversion of cis-or trans-double bonds of fatty acids at gamma-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 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.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	1169204
NCBI GeneID	1632
UniProt Accession #	P42126; Q13290; Q7Z2L6; Q7Z2L7; Q9BUB8; Q9BW05; Q9UDG6; A8K512
Molecular Weight	30,896 Da
NCBI Official Full Name	Enoyl-CoA delta isomerase 1, mitochondrial

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; dodecenoyl-CoA isomerase; D3,D2-enoyl-CoA isomerase; acetylene-allene isomerase; 3,2 trans-enoyl-CoA isomerase; delta3, delta2-enoyl-CoA isomerase; 3,2 trans-enoyl-Coenzyme A isomerase; delta(3),Delta(2)-enoyl-CoA isomerase; 3,2-trans-enoyl-CoA isomerase, mitochondrial; dodecenoyl-CoA delta isomerase (3,2 trans-enoyl-CoA isomerase); dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/dci-antibody-immunocytochemistry-immunohistochemistry-western-blot-elisa/44916>