

## Rabbit ECI1 Polyclonal Antibody | anti-ECI1 antibody

ECI1 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA326119 | Rabbit | Human, Mouse, Rat | ELISA, Immunohistochemistry, Western Blot |

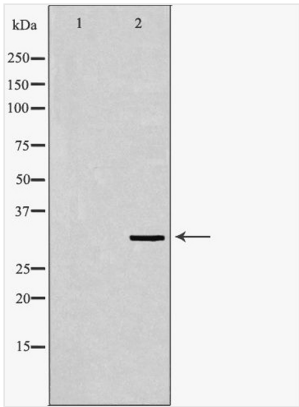
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

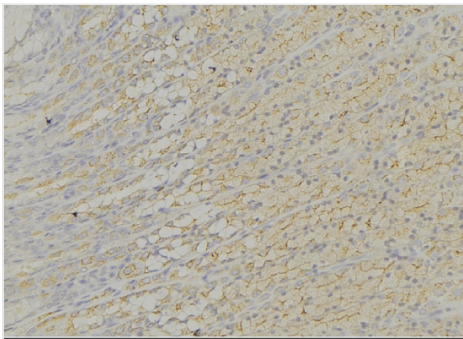
|                                                |                                                                                               |
|------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                        |
| Reactivity                                     | Human, Mouse, Rat                                                                             |
| Clonality                                      | Polyclonal                                                                                    |
| Isotype                                        | IgG                                                                                           |
| Specificity                                    | ECI1 antibody detects endogenous levels of total ECI1                                         |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin. |
| Form/Format                                    | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                  | 1mg/ml (varies by lot)                                                                        |
| Sequence Length                                | 285                                                                                           |
| Applicable Applications for anti-ECI1 antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                          |
| Immunogen                                      | A synthesized peptide derived from human ECI1                                                 |
| Subcellular Location                           | Mitochondrion Matrix.                                                                         |
| Predicted Cross Reactivity                     | Horse, Sheep, Rabbit, Chicken, Xenopus                                                        |
| Similarity                                     | Horse (100%), Sheep (89%), Rabbit (92%), Chicken (92%), Xenopus (92%)                         |
| Conjugation                                    | Unconjugated                                                                                  |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                             |

IMAGES



WB (Western Blot)

Western blot analysis of 293T whole cell lysates, using ECI1 Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326119 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-ECI1 antibody

Description: 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.  
[provided by RefSeq, May 2010]  
Function: Able to isomerize both 3-cis and 3-trans double bonds into the 2-trans form in a range of enoyl-CoA species.  
Subunit Structure: Homotrimer.  
Similarity: Belongs to the enoyl-CoA hydratase/isomerase family.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 295842266                                                      |
| NCBI GeneID                      | 1632                                                           |
| NCBI Accession #                 | NP_001171500.1                                                 |
| NCBI GenBank Nucleotide #        | NM_001178029.1                                                 |
| UniProt Accession #              | P42126; Q13290; Q7Z2L6; Q7Z2L7; Q9BUB8; Q9BW05; Q9UDG6; A8K512 |
| Molecular Weight                 | Observed: 33 kDa<br>Predicted: 33 kDa                          |
| 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                                 |

**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.

