

ECI1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP53297

Product Information

Application	WB
Primary Accession	P42126
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32816

Additional Information

Gene ID	1632
Other Names	Enoyl-CoA delta isomerase 1, mitochondrial, 5.3.3.8, 3, 2-trans-enoyl-CoA isomerase, Delta(3), Delta(2)-enoyl-CoA isomerase, D3, D2-enoyl-CoA isomerase, Dodecenoyl-CoA isomerase, ECI1, DCI
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ECI1. The exact sequence is proprietary.
Dilution	WB~~ 1:1000
Format	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	ECI1
Synonyms	DCI
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).
Cellular Location	Mitochondrion matrix {ECO:0000250 UniProtKB:P23965}
Tissue Location	Expressed in liver (at protein level).

Background

Able to isomerize both 3-cis and 3-trans double bonds into the 2-trans form in a range of enoyl-CoA species.

References

Janssen U.,et al.Genomics 23:223-228(1994).

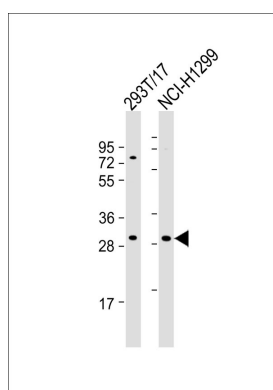
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Kilponen J.M.,et al.Biochem. J. 300:1-5(1994).

Takahashi Y.,et al.Biochem. J. 304:849-852(1994).

Images



All lanes : Anti-ECI1 Antibody at 1:1000 dilution Lane 1: 293T/17 whole cell lysate Lane 2: NCI-H1299 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 33 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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