10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ECH1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP18579b

Specification

ECH1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q13011

ECH1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 1891

Other Names
Delta(3, 5)-Delta(2, 4)-dienoyl-CoA isomerase, mitochondrial, 533-, ECH1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ECH1 Antibody (C-term) Blocking Peptide - Protein Information

Name ECH1 (HGNC:3149)

Function
Isomerization of 3-trans,5-cis-dienoyl-CoA to 2-trans,4- trans-dienoyl-CoA.

Cellular Location
Mitochondrion {ECO:0000250|UniProtKB:Q62651}. Peroxisome {ECO:0000250|UniProtKB:Q62651}

ECH1 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

ECH1 Antibody (C-term) Blocking Peptide - Images

ECH1 Antibody (C-term) Blocking Peptide - Background

This gene encodes a member of the hydratase/isomerasesuperfamily. The gene product shows

high sequence similarity toenoyl-coenzyme A (CoA) hydratases of several species, particularlywithin a conserved domain characteristic of these proteins. Theencoded protein, which contains a C-terminal peroxisomal targetingsequence, localizes to the peroxisome. The rat ortholog, whichlocalizes to the matrix of both the peroxisome and mitochondria,can isomerize 3-trans,5-cis-dienoyl-CoA to2-trans,4-trans-dienoyl-CoA, indicating that it is adelta3,5-delta2,4-dienoyl-CoA isomerase. This enzyme functions inthe auxiliary step of the fatty acid beta-oxidation pathway.Expression of the rat gene is induced by peroxisome proliferators.

ECH1 Antibody (C-term) Blocking Peptide - References

Olsen, J.V., et al. Cell 127(3):635-648(2006)Olsen, J.V., et al. Cell 127(3):635-648(2006)Kovalyov, L.I., et al. Biochemistry Mosc. 71(4):448-453(2006)Goehler, H., et al. Mol. Cell 15(6):853-865(2004)Jia, Y., et al. J. Biol. Chem. 278(47):47232-47239(2003)