

ECH1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18579b**Specification**

ECH1 Antibody (C-term) Blocking Peptide - Product InformationPrimary 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 to enoyl-coenzyme A (CoA) hydratases of several species, particularly within a conserved domain characteristic of these proteins. The encoded protein, which contains a C-terminal peroxisomal targeting sequence, localizes to the peroxisome. The rat ortholog, which localizes to the matrix of both the peroxisome and mitochondria, can isomerize 3-trans,5-cis-dienoyl-CoA to 2-trans,4-trans-dienoyl-CoA, indicating that it is a $\Delta^3,5$ - $\Delta^2,4$ -dienoyl-CoA isomerase. This enzyme functions in the auxiliary step of the fatty acid β -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)