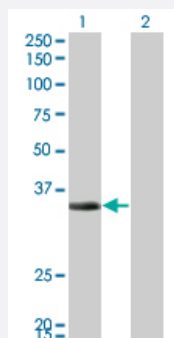


ECH1 monoclonal antibody (M01), clone 5G8

Catalog # H00001891-M01

Size 100 ug

Applications

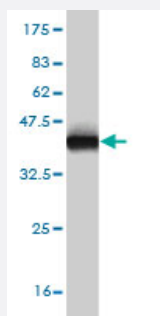


Western Blot (Transfected lysate)

Western Blot analysis of ECH1 expression in transfected 293T cell line by ECH1 monoclonal antibody (M01), clone 5G8.

Lane 1: ECH1 transfected lysate (35.8 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

| | |
|----------------------------|--|
| Product Description | Mouse monoclonal antibody raised against a partial recombinant ECH1. |
| Immunogen | ECH1 (NP_001389, 21 a.a. ~ 120 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Sequence | GSNYPGLSISLRLTGSSAQEEASGVALGEAPDHSYESLRVTS AQKHVLHVQLNRPNKRNAMNKV FWREMVECFNKISR DADCRAVVISGAGKMFTAGIDL |
| Host | Mouse |
| Reactivity | Human |
| Isotype | IgG2b Kappa |

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (36.74 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of ECH1 expression in transfected 293T cell line by ECH1 monoclonal antibody (M01), clone 5G8.

Lane 1: ECH1 transfected lysate(35.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — ECH1

Entrez GeneID

[1891](#)

GeneBank Accession#

[NM_001398](#)

Protein Accession#

[NP_001389](#)

Gene Name

ECH1

Gene Alias

HPXEL

Gene Description

enoyl Coenzyme A hydratase 1, peroxisomal

Omim ID

[600696](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a member of the hydratase/isomerase superfamily. 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 delta3,5-delta2,4-dienoyl-CoA isomerase. This enzyme functions in the auxiliary step of the fatty acid beta-oxidation pathway. Expression of the rat gene is induced by peroxisome proliferators. [provided by RefSeq]

Other Designations

delta3,5-delta2,4-dienoyl-CoA isomerase|dienoyl-CoA isomerase|peroxisomal enoyl-CoA hydratase 1|peroxisomal enoyl-coenzyme A hydratase-like protein

Pathway

- [Tyrosine metabolism](#)