



Rabbit Anti-Human ECH1 Polyclonal antibody (DPABH-03790)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Immunogen | <p>ECH1 fusion protein, sequence:</p> <p>MAAGIVASRRRLRDLLTRRLTGSNYPGLSISLRLTGSSAQEAASGVALGEAPDHSYESLRV TSAQKHVLHVQLNRPKNKRNAMNKVFWREMVECFNKISRADCRAVVISGAGKMFTAGIDL MDMASDILQPKGDDVARISWYLRDIITRYQETFNVIERCPKPVIAAVHGGCIGGGVDLVT ACDIRYCAQDAFFQVKEVDVGLAADVGTLRQLPKVIGNQSLVNELAFTARKMMADEALGS GLVSRVFPDKEVMLDAALALAAEISSKSPVAVQSTKVNLLYSRDHSVAESLNYVASWNMS MLQTQDLVKSVQATTENKELKTVTFSKL (1-328aa encoded by BC017408)</p> |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human, Mouse, Rat |
| Purification | Antigen affinity purification |
| Conjugate | Unconjugated |
| Applications | WB, IHC, IF, ELISA |
| Positive Control | mouse liver tissue, HepG2 cells, Jurkat cells, K-562 cells, L02 cells, mouse heart tissue |
| Format | Liquid |
| Size | 50 µl, 100 µl |
| Buffer | PBS with 0.1% sodium azide and 50% glycerol pH 7.3. |
| Preservative | 0.1% Sodium Azide |
| Storage | Store at -20°C. Aliquoting is unnecessary for -20°C storage. |

BACKGROUND

Introduction 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.

Keywords ECH1; enoyl CoA hydratase 1, peroxisomal; HPXEL; delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial; dienoyl-CoA isomerase; peroxisomal enoyl-CoA hydratase 1; delta3,5-delta2,4-dienoyl-CoA isomerase; enoyl Coenzyme A hydratase 1, peroxisomal;

GENE INFORMATION

Entrez Gene ID [1891](#)

UniProt ID [Q13011](#)