

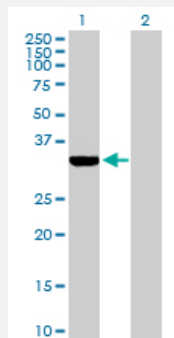
MaxPab®

ECH1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00001891-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ECH1 expression in transfected 293T cell line ([H00001891-T01](#)) by ECH1 MaxPab polyclonal antibody.

Lane 1: ECH1 transfected lysate(35.80 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ECH1 protein.
Immunogen	ECH1 (NP_001389.2, 1 a.a. ~ 328 a.a) full-length human protein.
Sequence	MAAGVASRRLRDLLTRRLTGSNYPGLSISLRLTGSSAQEEASGVALGEAPDHSYESLRVTSQKH VLHVQLNRPNKRNAMNKVFWREMVECFNKISRDCRAVVISGAGKMFTAGIDLMDMASDILQP KGDDVARISWYLRDIITRYQETFNVIERCPKPVIAAVHGGCIGGGVDLVTACDIRYCAQDAFFQVKE VDVGLAADVGTLQRLPKVIGNQSLVNELAFTARKMMADEALGSGLVSRVFPDKEVMLDAALALA AEISSKSPVAVQSTKVNLLYSRDHSAESLNYVASWNMSMLQTQDLVKSQATTENKELKTVTFS KL
Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — ECH1

Entrez GeneID [1891](#)

GeneBank Accession# [NM_001398.2](#)

Protein Accession# [NP_001389.2](#)

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](#)