

Product datasheet for **TA332137**

ECH1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-ECH1 Antibody: synthetic peptide directed towards the N terminal of human ECH1. Synthetic peptide located within the following region: PDHSYESLRVTSQKHVLHVQLNRPNKRNAMNKVFWREMVECFNKISRDA
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	36 kDa
Gene Name:	enoyl-CoA hydratase 1, peroxisomal
Database Link:	NP_001389 Entrez Gene 1891 Human Q13011



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Background:

ECH1 is a member of the hydratase/isomerase superfamily. ECH1 shows high sequence similarity to enoyl-coenzyme A (CoA) hydratases of several species, particularly within a conserved domain characteristic of these proteins. The protein contains a C-terminal peroxisomal targeting sequence, localizes to the peroxisome. This enzyme functions in the auxiliary step of the fatty acid beta-oxidation pathway. 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.

Synonyms:

HPXEL

Note:

Immunogen sequence homology: Pig: 100%; Rat: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Guinea pig: 100%; Dog: 92%; Rabbit: 86%

Product images:

WB Suggested Anti-ECH1 Antibody Titration: 2.5ug/ml; Positive Control: HepG2 cell lysate; ECH1 is supported by BioGPS gene expression data to be expressed in HepG2