

ECH1 rabbit monoclonal antibody

Catalog # H00001891-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ECH1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ECH1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ECH1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — ECH1

Entrez GeneID	1891
GeneBank Accession#	ECH1
Gene Name	ECH1
Gene Alias	HPXEL
Gene Description	enoyl Coenzyme A hydratase 1, peroxisomal
Omim ID	600696
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
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](#)