

**EHHADH Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP51182**

**Specification**

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**EHHADH Antibody - Product Information**

Application	<b>WB, IHC-P, E</b>
Primary Accession	<a href="#">Q08426</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>79 KDa</b>

**EHHADH Antibody - Additional Information**

**Gene ID** 1962

**Other Names**

Peroxisomal bifunctional enzyme, PBE, PBFE, Enoyl-CoA hydratase/3, 2-trans-enoil-CoA isomerase, 3-hydroxyacyl-CoA dehydrogenase, EHHADH, ECHD

**Format**

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**EHHADH Antibody - Protein Information**

**Name** EHHADH ([HGNC:3247](#))

**Synonyms** ECHD

**Function**

Peroxisomal trifunctional enzyme possessing 2-enoil-CoA hydratase, 3-hydroxyacyl-CoA dehydrogenase, and delta 3, delta 2-enoil- CoA isomerase activities. Catalyzes two of the four reactions of the long chain fatty acids peroxisomal beta-oxidation pathway (By similarity). Can also use branched-chain fatty acids such as 2-methyl- 2E-butenoyl-CoA as a substrate, which is hydrated into (2S,3S)-3- hydroxy-2-methylbutanoyl-CoA (By similarity). Optimal isomerase for 2,5 double bonds into 3,5 form isomerization in a range of enoil-CoA species (Probable). Also able to isomerize both 3-cis and 3-trans double bonds into the 2-trans form in a range of enoil-CoA species (By similarity). With HSD17B4, catalyzes the hydration of trans-2-enoil-CoA and the dehydrogenation of 3-hydroxyacyl-CoA, but with opposite chiral specificity (PubMed:<a href="http://www.uniprot.org/citations/15060085" target="\_blank">15060085</a>). Regulates the amount of medium-chain dicarboxylic fatty acids which are essential regulators of all fatty acid oxidation pathways (By similarity). Also involved in the degradation of long-chain dicarboxylic acids through peroxisomal beta- oxidation (PubMed:<a href="http://www.uniprot.org/citations/15060085" target="\_blank">15060085</a>).

**Cellular Location**

Peroxisome.

**Tissue Location**

Liver and kidney. Strongly expressed in the terminal segments of the proximal tubule. Lower amounts seen in the brain.

**EHHADH Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**EHHADH Antibody - Images****EHHADH Antibody - References**

Hoefler G.,et al.Genomics 19:60-67(1994).

Cherkaoui-Malki M.,et al.Submitted (SEP-2001) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Totoki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.

Muzny D.M.,et al.Nature 440:1194-1198(2006).