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

Specification

EHHADH Antibody - Product Information

Application	**WB, IHC-P, E**
Primary Accession	Q08426
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**79 KDa**

EHHADH Antibody - Additional Information

Gene ID 1962

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

Target/Specificity
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EHHADH. The exact sequence is proprietary.

Dilution
WB~~1:1000
IHC-P~~N/A
E~~N/A

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-enoyl-CoA hydratase, 3-hydroxyacyl-CoA dehydrogenase, and delta 3, delta 2-enoyl- 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 enoyl-CoA species (Probable). Also able to isomerize both 3-cis and 3-trans double bonds into the 2-trans form in a range of enoyl-CoA species (By similarity). With HSD17B4, catalyzes the hydration of trans-2-enoyl-CoA and the dehydrogenation of 3-hydroxyacyl-CoA, but with opposite chiral specificity (PubMed:15060085). 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:15060085).

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 Cytomety
- 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).