



## Rabbit Anti-EHHADH antibody

SL4058R

<b>Product Name:</b>	EHHADH
<b>Chinese Name:</b>	三羟酰辅酶A脱氢酶抗体
<b>Alias:</b>	3 hydroxyacyl CoA dehydrogenase; 3,2 trans enoyl CoA isomerase; ECHD antibody Enoyl Coenzyme A, hydratase/3 hydroxyacyl Coenzyme A dehydrogenase; L 3 hydroxyacyl CoA dehydrogenase; L bifunctional protein, peroxisomal; L PBE; LBFP; LBP; MGC120586; PBE; PBE; PBE; Peroxisomal bifunctional enzyme; Peroxisomal enoyl CoA hydratase.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Cow,Horse,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100- 500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	79kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human EHHADH:631-723/723
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	EHHADH is one of three preoxisomal enzymes of the classic peroxisomal Beta- oxidation cycle involved in the catabolism of free fatty acids. Most dietary long chain fatty acids are oxidized in the mitochondria, but very-long-chain fatty acids (VLCFAs)

must be shortened first by peroxisomal Beta-oxidation prior to complete oxidation in mitochondria.

**Subunit:**

Monomer.

**Subcellular Location:**

Peroxisome.

**Tissue Specificity:**

Liver and kidney. Lower amounts seen in the brain.

**Post-translational modifications:**

Acetylated, leading to enhanced enzyme activity. Acetylation is enhanced by up to 80% after treatment either with trichostin A (TSA) or with nicotinamide (NAM) with highest increase on Lys-346. Acetylation and enzyme activity increased by about 1.5% on addition of fatty acids.

**Similarity:**

In the N-terminal section; belongs to the enoyl-CoA hydratase/isomerase family.

In the C-terminal section; belongs to the 3-hydroxyacyl-CoA dehydrogenase family.

**SWISS:**

Q08426

**Gene ID:**

1962

**Database links:**

[Entrez Gene: 1962](#)Human

[Entrez Gene: 74147](#)Mouse

[Omim: 607037](#)Human

[SwissProt: Q08426](#)Human

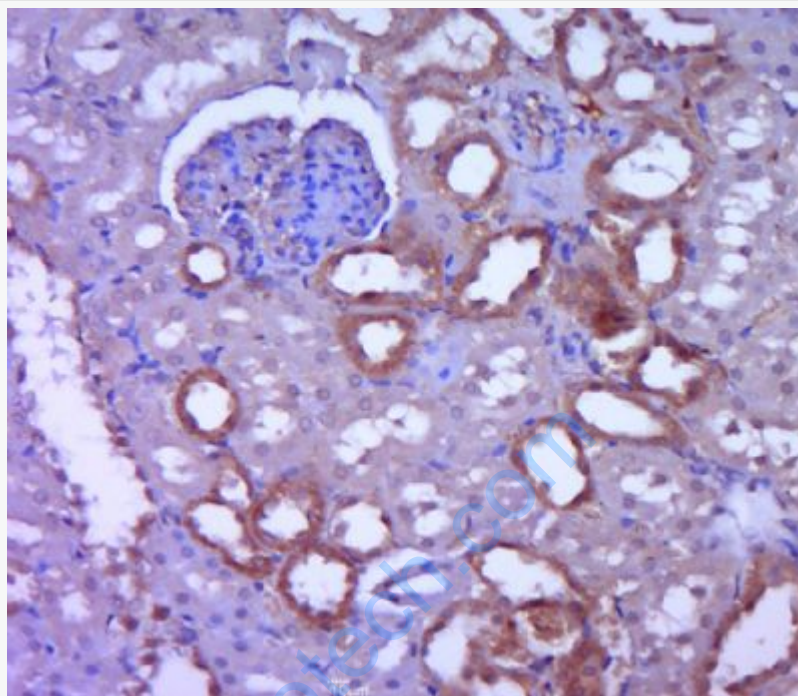
[SwissProt: Q9DBM2](#)Mouse

[Unigene: 429879](#)Human

[Unigene: 28100](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



**Picture:**

Paraformaldehyde-fixed, paraffin embedded (rat kidney tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (EHHADH) Polyclonal Antibody, Unconjugated (SL4058R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.