

Rabbit EHHADH Polyclonal Antibody | anti-EHHADH antibody

EHHADH Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324939	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

EHHADH; Polyclonal Antibody; EHHADH Antibody; 3 hydroxyacyl CoA dehydrogenase; 3; 2 trans enoyl CoA isomerase; 3-hydroxyacyl-CoA dehydrogenase; ECHD; ECHP_HUMAN; Enoyl Coenzyme A; hydratase/3 hydroxyacyl Coenzyme A dehydrogenase; L 3 hydroxyacyl CoA dehydrogenase; L bifunctional protein; peroxisomal; L PBE; LBFP; LBP; MGC120586; MS730; PBE; PBFE; Peroxisomal bifunctional enzyme; Peroxisomal enoyl CoA hydratase; anti-EHHADH antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	EHHADH antibody detects endogenous levels of total EHHADH
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	627
Applicable Applications for anti-EHHADH antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Peroxisome.
Tissue Specificity	Liver and kidney. Strongly expressed in the terminal segments of the proximal tubule. Lower amounts seen in the brain.
Predicted Cross Reactivity	Horse, Sheep, Dog, Xenopus
Similarity	Horse (91%), Sheep (91%), Dog (82%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemisry)
AAA324939 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)
AAA324939 staining A549 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from A549 cells, using EHHADH antibody.The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-EHHADH antibody	Function: Absent in patients suffering with peroxisomal disorders such as Zellweger syndrome, neonatal adrenoleukodystrophy and infantile Refsum disease. Subunit Structure: Monomer. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	261878539
NCBI GeneID	1962
NCBI Accession #	NP_001159887.1
NCBI GenBank Nucleotide #	NM_001166415.1
UniProt Accession #	Q08426; Q58EZ5; A8K6Y3; B4DWG3; D3DNU0
Molecular Weight	Observed: 80 kD Predicted: 80 kDa
NCBI Official Full Name	peroxisomal bifunctional enzyme isoform 2
NCBI Official Synonym Full Names	enoyl-CoA hydratase and 3-hydroxyacyl CoA dehydrogenase
NCBI Official Symbol	EHHADH
NCBI Official Synonym Symbols	LBP; ECHD; LBFP; PBFE; FRTS3; L-PBE
NCBI Protein Information	peroxisomal bifunctional enzyme
UniProt Protein Name	Peroxisomal bifunctional enzyme
UniProt Gene Name	EHHADH
UniProt Synonym Gene Names	ECHD; PBE; PBFE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ehhadh-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324939>