ARG58604
anti-EHHADH antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes EHHADH
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	EHHADH
Species	Human
Immunogen	KLH-conjugated synthetic peptide between aa. 662-690 of Human EHHADH.
Conjugation	Un-conjugated
Alternate Names	LBP; ECHD; LBFP; L-PBE; PBE; PBFE; EC 1.1.1.35; EC 4.2.1.17; EC 5.3.3.8; FRTS3; Peroxisomal bifunctional enzyme

Application Instructions

Application table

Application	Dilution
FACS	1:10 - 1:50
IHC-P	1:10 - 1:50
WB	1:1000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Rat liver

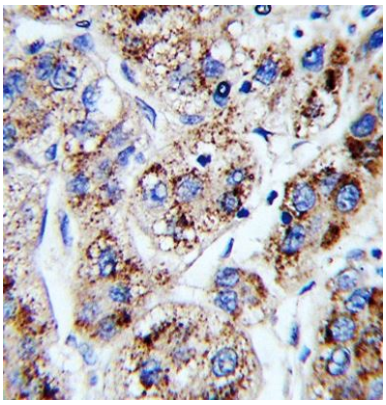
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide.
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

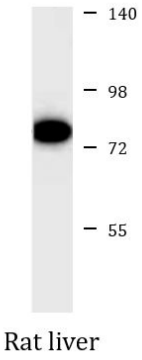
Gene Symbol	EHHADH
Gene Full Name	enoyl-CoA, hydratase/3-hydroxyacyl CoA dehydrogenase
Background	The protein encoded by this gene is a bifunctional enzyme and is one of the four enzymes of the peroxisomal beta-oxidation pathway. The N-terminal region of the encoded protein contains enoyl-CoA hydratase activity while the C-terminal region contains 3-hydroxyacyl-CoA dehydrogenase activity. Defects in this gene are a cause of peroxisomal disorders such as Zellweger syndrome. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]
Calculated Mw	79 kDa
PTM	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. [UniProt]
Cellular Localization	Peroxisome. [UniProt]

Images



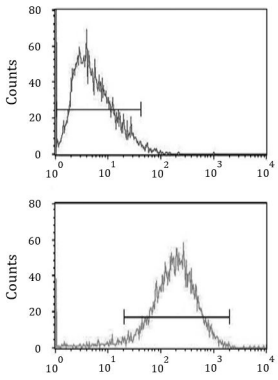
ARG58604 anti-EHHADH antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human hepatocarcinoma tissue stained with ARG58604 anti-EHHADH antibody.



ARG58604 anti-EHHADH antibody WB image

Western blot: 35 µg of Rat liver lysate stained with ARG58604 anti-EHHADH antibody at 1:1000 dilution.



ARG58604 anti-EHHADH antibody FACS image

Flow Cytometry: HepG2 cells stained with ARG58604 anti-EHHADH antibody (bottom histogram) or without primary antibody as control (top histogram), followed by incubation with FITC labelled secondary antibody.