OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for CF803072

EHHADH Mouse Monoclonal Antibody [Clone ID: OTI2C4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2C4
Applications:	IHC, WB
Recommended Dilution:	WB 1:500, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 496-723 of human EHHADH (NP_001957) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	79.3 kDa
Gene Name:	Homo sapiens enoyl-CoA hydratase and 3-hydroxyacyl CoA dehydrogenase (EHHADH), transcript variant 1, mRNA.
Database Link:	NP_001957 Entrez Gene 1962 Human

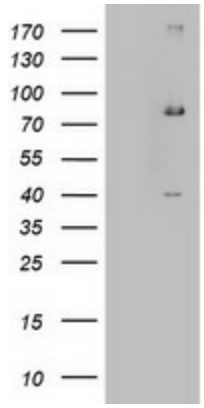
View online »

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]

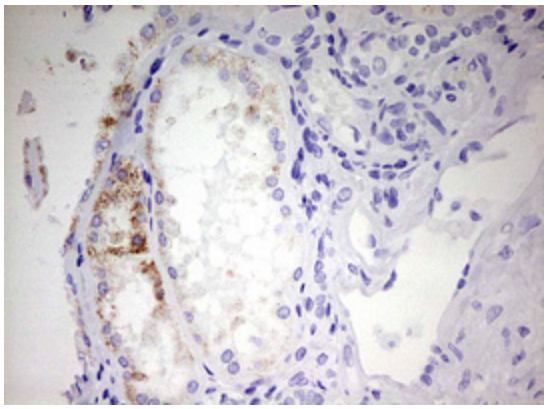
Synonyms: ECHD; FRTS3; L-PBE; LBFP; LBP; PBFE

Protein Pathways: beta-Alanine metabolism, Butanoate metabolism, Fatty acid metabolism, Limonene and pinene degradation, Lysine degradation, Metabolic pathways, PPAR signaling pathway, Propanoate metabolism, Tryptophan metabolism, Valine, leucine and isoleucine degradation

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY EHHADH ([RC207928], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-EHHADH. Positive lysates [LY419627] (100ug) and [LC419627] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-EHHADH mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA803072])