

For Research Use Only

ECH1 Polyclonal antibody

Catalog Number: 11385-1-AP

9 Publications



Basic Information

Catalog Number:

11385-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 253 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1931

GenBank Accession Number:

BC017408

GeneID (NCBI):

1891

UNIPROT ID:

Q13011

Full Name:

enoyl Coenzyme A hydratase 1, peroxisomal

Calculated MW:

328 aa, 36 kDa

Observed MW:

30-36 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: mouse liver tissue, HepG2 cells, Jurkat cells, K-562 cells, L02 cells, mouse heart tissue

IHC: human colon tissue,

Background Information

Enoyl coenzyme A hydratase 1 (ECH1), is first recognized as a key component in mitochondrial fatty acid β -oxidation, and subsequent studies have demonstrated that it regulates multiple pathophysiological processes (PMID:33813878). The MW of ECH1 is 36 kDa, and can be detected as 30-36 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Miguel A Lanasa	29533924	J Clin Invest	WB
Yanlu Wang	35300421	Front Cell Dev Biol	WB
Ishimoto Takuji T	23813872	Hepatology	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

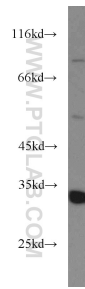
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

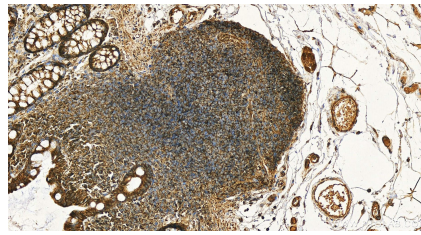
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 11385-1-AP (ECH1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 11385-1-AP (ECH1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).