

For Research Use Only

# ECH1 Polyclonal antibody

Catalog Number: 11385-1-AP **9 Publications**



## Basic Information

<b>Catalog Number:</b> 11385-1-AP	<b>GenBank Accession Number:</b> BC017408	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 400 ug/ml by Nanodrop and 253 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1891	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13011	
<b>Isotype:</b> IgG	<b>Full Name:</b> enoyl Coenzyme A hydratase 1, peroxisomal	
<b>Immunogen Catalog Number:</b> AG1931	<b>Calculated MW:</b> 328 aa, 36 kDa	
	<b>Observed MW:</b> 30-36 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB:</b> mouse liver tissue, HepG2 cells, Jurkat cells, K-562 cells, L02 cells, mouse heart tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IHC:</b> human colon tissue,
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Enoyl coenzyme A hydratase 1 (ECH1), is first recognized as a key component in mitochondrial fatty acid  $\beta$ -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

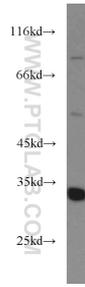
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

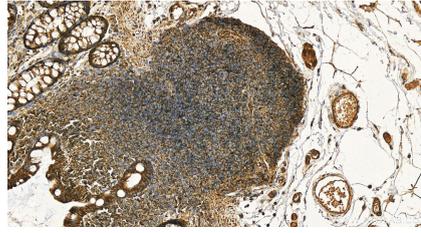
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## Selected Validation Data



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).