ECH1 Polyclonal antibody

Catalog Number:11385-1-AP

9 Publications

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Basic Information

Catalog Number:
11385-1-AP

Size:
400 ug/ml

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 recog-nized 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 Lanaspa	29533924	J Clin Invest	WB
Yanlu Wang	35300421	Front Cell Dev Biol	WB
Ishimoto Takuji T	23813872	Hepatology	WB

Storage

**Storage:**
Store at -20℃. 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

Selected Validation Data

116kd→
66kd→
45kd→
35kd→
25kd→
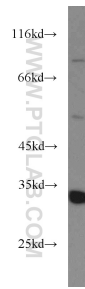
mouse liver tissue were subjected to SDS PAGE followed by western blot with 11385-1-AP (ECH1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.
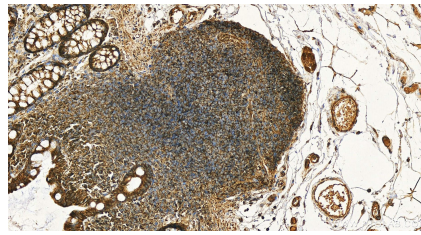
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 11385-1-AP (ECH1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).