

Anti-ECH1 Polyclonal Antibody

Cat: AC51513

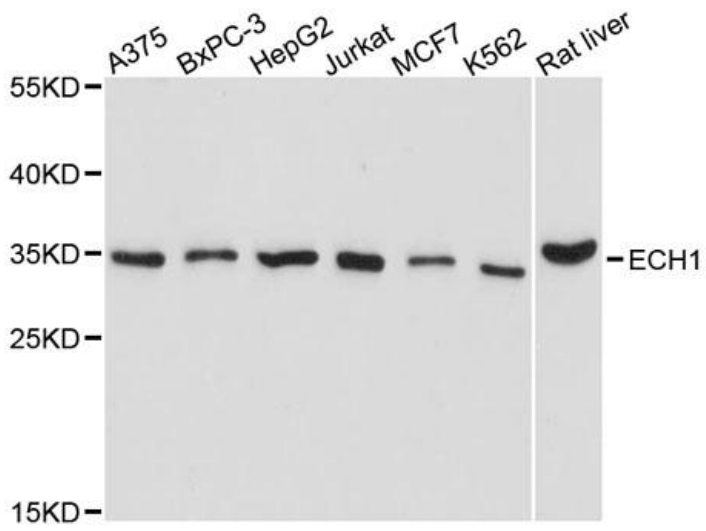
Summary:

- 【Product name】** : Anti-ECH1 antibody **【Source】** : Rabbit
【Isotype】 : IgG **【Species reactivity】** : Human Mouse Rat
【Swiss Prot】 : Q13011 **【Gene ID】** : 1891
【Calculated】 : MW:36kDa **【Observed】** : MW:35kDa
【Purification】 : Affinity purification
【Tested applications】 : WB
【Recommended dilution】 : WB 1:500-2000.
【WB Positive sample】 : A375,BXPC-3,HepG2,Jurkat,MCF7,K562,Rat liver
【Subcellular location】 : Mitochondrion Peroxisome
【Immunogen】 : Recombinant protein of human ECH1
【Storage】 : Shipped at 4°C. Upon delivery aliquot and store at -20°C

Background:

This gene encodes a member of the hydratase/isomerase superfamily. The gene product shows high sequence similarity to enoyl-coenzyme A (CoA) hydratases of several species, particularly within a conserved domain characteristic of these proteins. The encoded protein, which contains a C-terminal peroxisomal targeting sequence, localizes to the peroxisome. The rat ortholog, which localizes to the matrix of both the peroxisome and mitochondria, can isomerize 3-trans,5-cis-dienoyl-CoA to 2-trans,4-trans-dienoyl-CoA, indicating that it is a delta3,5-delta2,4-dienoyl-CoA isomerase. This enzyme functions in the auxiliary step of the fatty acid beta-oxidation pathway. Expression of the rat gene is induced by peroxisome proliferators.

Verified picture



Western blot analysis with ECH1 antibody
diluted at 1:1000