

ECH1 Polyclonal Antibody

Catalog NumberPA5-30012

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG	Published species	Mouse, Not Applicable
Class	Polyclonal	Tested Applications	
Type	Antibody	Dilution *	
Immunogen	Recombinant fragment corresponding to a region within amino acids 97 and 328 of Human ECH1	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
		Western Blot (WB)	1:500-1:3,000
Conjugate	Unconjugated	Immunocytochemistry (ICC/IF)	1:100-1:1,000
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	0.71 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 20% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

**Product specific information**

Recommended positive controls: 293T, A549, HepG2, mouse brain. Predicted reactivity: Mouse (80%), Rat (82%), Pig (85%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

**Background/Target Information**

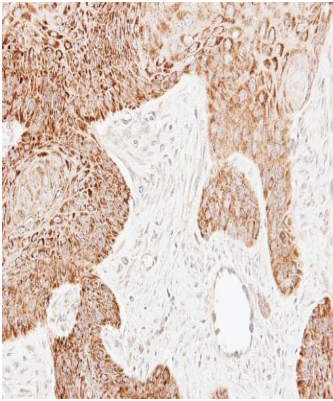
This gene encodes a member of the hydratase/isomerase superfamily. The gene product shows high sequence similarity to enoyl-coenzyme A (CoA) hydratases of several species, particularly within a conserved domain characteristic of these proteins. The encoded protein, which contains a C-terminal peroxisomal 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.

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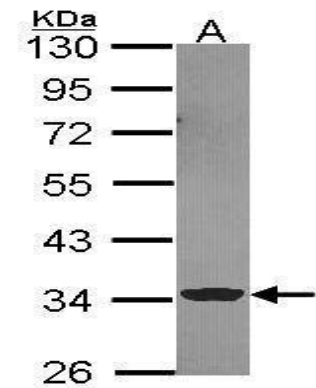
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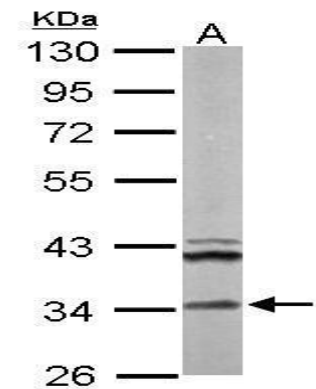
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**ECH1 Antibody (PA5-30012) in IHC (P)**  
ECH1 Polyclonal Antibody detects ECH1 protein at mitochondrion on Cal27 xenograft by immunohistochemical analysis. Sample: Paraffin-embedded Cal27 xenograft. ECH1 Polyclonal Antibody (Product # PA5-30012) dilution: 1:500. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



**ECH1 Antibody (PA5-30012) in WB**  
Western Blot using ECH1 Polyclonal Antibody (Product # PA5-30012). Sample (30 µg of whole cell lysate). Lane A: A549. 10% SDS PAGE. ECH1 Polyclonal Antibody . ECH1 Polyclonal Antibody (Product # PA5-30012) diluted at 1:1,000.



**ECH1 Antibody (PA5-30012) in WB**  
Western Blot using ECH1 Polyclonal Antibody (Product # PA5-30012). Sample (50 µg of whole cell lysate). Lane A: Mouse brain. 10% SDS PAGE. ECH1 Polyclonal Antibody (Product # PA5-30012) diluted at 1:1,000.

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