.-online.com antibodies

Datasheet for ABIN2781318 anti-ECH1 antibody (N-Term)

1 Image

2 Publications



Overview

Quantity:	100 μL
Target:	ECH1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Rabbit, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ECH1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Alternative Name:

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human ECH1
Sequence:	PDHSYESLRV TSAQKHVLHV QLNRPNKRNA MNKVFWREMV ECFNKISRDA
Predicted Reactivity:	Cow: 100%, Dog: 92%, Guinea Pig: 100%, Human: 100%, Mouse: 100%, Rabbit: 86%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against ECH1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified
Target Details	
Target:	ECH1

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN2781318 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

ECH1 (ECH1 Products)

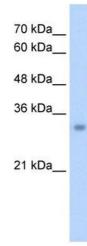
Target Details		
Background:	 ECH1 is a member of the hydratase/isomerase superfamily. ECH1 shows high sequence similarity to enoyl-coenzyme A (CoA) hydratases of several species, particularly within a conserved domain characteristic of these proteins. The protein contains a C-terminal peroxisomal targeting sequence, localizes to the peroxisome. This enzyme functions in the auxiliary step of the fatty acid beta-oxidation pathway. 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. Alias Symbols: HPXEL Protein Interaction Partner: FAM9B, HUWE1, TRAF1, UBC, MDM2, PPP6R3, IQCB1, STAT3, PEX5, EEF1D, DNAJB11, HNRNPUL1, OPA1, APP, HTT, EEF1G, HDAC5, ICT1, TLR10, PAFAH1B3, SERPINB9, CSTF2, TIMP1, Protein Size: 328 	
Molecular Weight:	36 kDa	
Gene ID:	1891	
NCBI Accession:	NM_001398, NP_001389	
UniProt:	Q13011	
Pathways:	Monocarboxylic Acid Catabolic Process	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 328 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN2781318 | 09/11/2023 | Copyright antibodies-online. All rights reserved.

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Publications	
Product cited in:	Spellman, Ahmed, Dubach, Gardiner: "Expression of trisomic proteins in Down syndrome model
	systems." in: Gene , Vol. 512, Issue 2, pp. 219-25, (2012) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-ECH1 Antibody Titration: 2.5ug/ml Positive Control: HepG2 cell lysate ECH1 is supported by BioGPS gene expression data to be expressed in HepG2