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Datasheet for ABIN389100 anti-ACOX1 antibody (C-Term)

2 Images

1 Publication



Overview

Quantity:	400 µL
Target:	ACOX1
Binding Specificity:	AA 629-659, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ACOX1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This ACOX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 629-659 amino acids from the C-terminal region of human ACOX1.
Clone:	RB04651-04652
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	ACOX1
Alternative Name:	ACOX1 (ACOX1 Products)

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Target Details	
Background:	ACOX1 is the first enzyme of the fatty acid beta-oxidation pathway, which catalyzes the desaturation of acyl-CoAs to 2-trans-enoyl-CoAs. It donates electrons directly to molecular oxygen, thereby producing hydrogen peroxide. Defects in this gene result in pseudoneonatal adrenoleukodystrophy, a disease that is characterized by accumulation of very long chain fatty acids.
Molecular Weight:	74424
Gene ID:	51
NCBI Accession:	NP_001171968, NP_004026, NP_009223
UniProt:	Q15067
Pathways:	Regulation of Lipid Metabolism by PPARalpha, Monocarboxylic Acid Catabolic Process
Application Details	
Application Notes:	WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months
Publications	
Product cited in:	Wu, Li, Fang, Yi, Chen, Long, Gao, Wei, Chen: "Investigation of synergistic mechanism and identification of interaction site of aldose reductase with the combination of gigantol and syringic acid for prevention of diabetic cataract." in: BMC complementary and alternative

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Guo, Wang, Liu, Myatt, Sun: "Induction of PGF2? synthesis by cortisol through GR dependent induction of CBR1 in human amnion fibroblasts." in: **Endocrinology**, Vol. 155, Issue 8, pp. 3017-24, (2014) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis of ACOX1 (arrow) using rabbit polyclonal ACOX1 Antibody (C-term) (R). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the ACOX1 gene (Lane 2) (Origene Technologies).

Western Blotting

Image 2. Western blot analysis of ACOX1 (arrow) using rabbit polyclonal ACOX1 Antibody (C-term) (R). 293 cell lysates $(2 \mu g/lane)$ either nontransfected (Lane 1) or transiently transfected with the ACOX1 gene (Lane 2) (Origene Technologies).

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