



Datasheet for ABIN4905839
anti-ACOX1 antibody



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2 Images

Overview

Quantity:	100 µL
Target:	ACOX1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ACOX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ACOX1 monoclonal antibody is generated from mouse immunized with ACOX1 recombinant protein.
Clone:	3C1
Isotype:	IgG1
Cross-Reactivity:	Human
Purification:	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.

Target Details

Target:	ACOX1
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Target Details

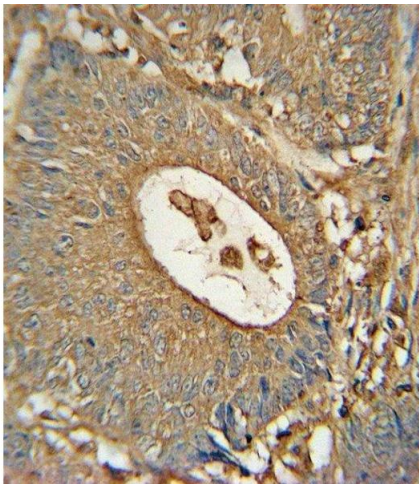
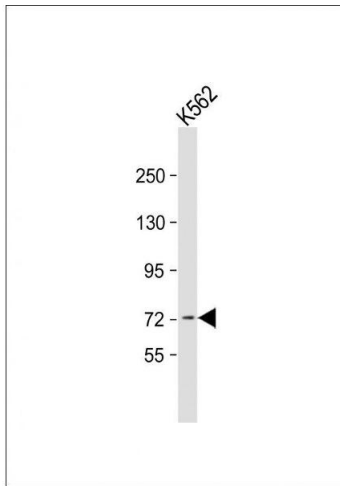
Alternative Name:	ACOX1 (ACOX1 Products)
Background:	<p>Synonyms: ACOX, SCOX, PALMCOX, Peroxisomal acyl-coenzyme A oxidase 1, AOX, Palmitoyl-CoA oxidase, Straight-chain acyl-CoA oxidase, ACOX1</p> <p>Background: Catalyzes the desaturation of acyl-CoAs to 2-trans-enoyl-CoAs. Isoform 1 shows highest activity against medium-chain fatty acyl-CoAs and activity decreases with increasing chain length. Isoform 2 is active against a much broader range of substrates and shows activity towards very long-chain acyl-CoAs. Isoform 2 is twice as active as isoform 1 against 16-hydroxy-palmitoyl-CoA and is 25 % more active against 1,16-hexadecanodioyl-CoA.</p>
Gene ID:	51
UniProt:	Q15067
Pathways:	Regulation of Lipid Metabolism by PPARalpha , Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IF()
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months



Western Blotting

Image 1. K562 cell lysate (20ug) probed with bsm-51033M ACOX1 (153CT43.1.1) Monoclonal Antibody at 1:1000 dilution and 4°C *overnight incubation, followed by secondary antibody incubation for 60min at room temperature.*

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Paraformaldehyde-fixed, paraffin embedded human colon tissue, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 15 minutes, Blocking buffer (3% BSA) at room temperature for 30min, Antibody incubation with ACOX1 (153CT43.1.1) Monoclonal Antibody (bsm-51033M) at 1:25 for 1 hour at 37°C, followed by a conjugated secondary antibody for 20 minutes and DAB staining.