

## Anti-ACOX1 Antibody

Catalog Number: M03054

### About ACOX1

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.

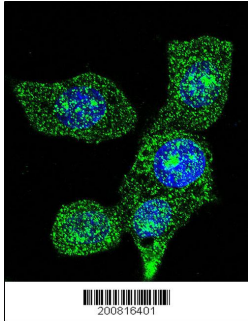
### Overview

Product Name	Anti-ACOX1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-ACOX1 Antibody (Catalog # M03054). Tested in IF, IHC-P, WB application(s). This antibody reacts with Human.
Application	IF, IHC-P, WB
Clonality	Monoclonal 153CT43.1.1
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q15067

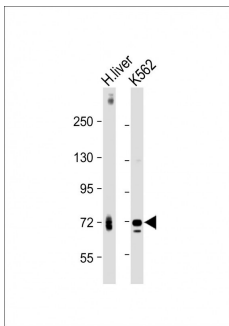
### Technical Details

Immunogen	This ACOX1 monoclonal antibody is generated from mouse immunized with ACOX1 recombinant protein.
Predicted Reactive Species	Bovine, Chicken, Horse, Monkey, Pig, Sheep, Xenopus
Isotype	IgG1
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	IF: 1:10-1:50 WB: 1:4000 IHC-P: 1:10-1:50

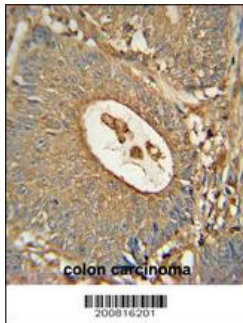
## Anti-ACOX1 Antibody (M03054) Images



Confocal immunofluorescent analysis of ACOX1 Antibody with Hela cell followed by Alexa Fluor® 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).



All lanes : Anti-ACOX1 Antibody at 1:4000 dilution  
Lane 1: Human liver lysate  
Lane 2: K562 whole cell lysate  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 74 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.



ACOX1 Monoclonal Antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the ACOX1 Monoclonal Antibody for immunohistochemistry. Clinical relevance has not been evaluated.

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Anti-ACOX1 Antibody

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