

DATASHEET

ACOX2 Rabbit Polyclonal Antibody

CAT. NO. APA15003

KEY FEATURES

Target	ACOX2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IHC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Oxidizes the CoA esters of the bile acid intermediates di- and tri-hydroxycholestanic acids . Capable of oxidizing short as well as long chain 2-methyl branched fatty acids .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IHC	1:50 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to ACOX2
Specificity	Recognizes endogenous levels of ACOX2 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ACOX2. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 76 kD; Observed: 77 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Peroxisomal acyl-coenzyme A oxidase 2; 3-alpha 7-alpha 12-alpha-trihydroxy-5-beta-cholestanoyl-CoA 24-hydroxylase; 3-alpha 7-alpha 12-alpha-trihydroxy-5-beta-cholestanoyl-CoA oxidase; Trihydroxycoprostanoyl-CoA oxidase; THCA-CoA oxidase; THCCox
Gene Symbol	ACOX2
Entrez Gene	8309(Human); 93732(Mouse)
SwissProt	Q99424(Human); Q9QXD1(Mouse); P97562(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

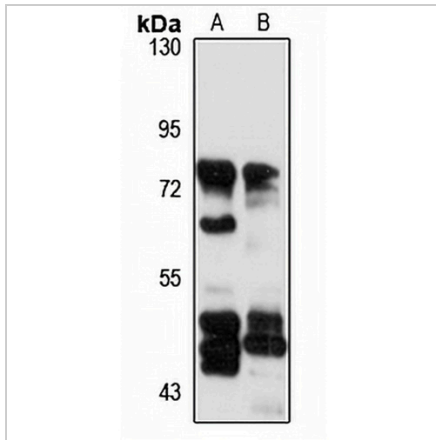
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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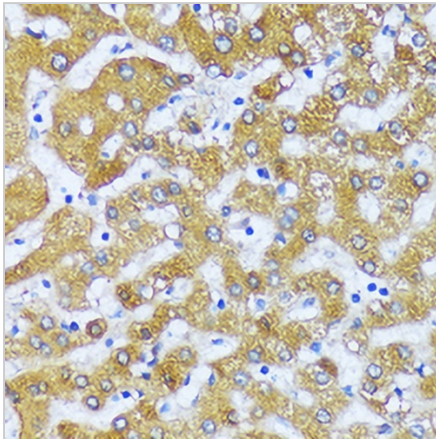
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Western blot analysis of ACOX2 expression in HT29 (A), mouse liver (B) whole cell lysates. (Predicted band size: 76 kD; Observed band size: 77 kD)



Immunohistochemical analysis of ACOX2 staining in human liver formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.