



# ACOX1 Rabbit mAb

<b>Catalog No</b>	YP-rAb-17547
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human,Mouse,Rat
<b>Applications</b>	WB,IHC,IF,IP,ELISA
<b>Gene Name</b>	ACOX1 ACOX
<b>Protein Name</b>	Peroxisomal acyl-coenzyme A oxidase 1 (AOX) (Palmitoyl-CoA oxidase) (Straight-chain acyl-CoA oxidase) (SCOX)
<b>Purification Process</b>	Protein A
<b>Specificity</b>	Endogenous
<b>Formulation</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source</b>	Monoclonal, Rabbit,IgG
<b>Dilution</b>	IHC 1:200-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
<b>Concentration</b>	0.5 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-15° C to -25° C/1 year(Do not lower than -25° C)
<b>Synonyms</b>	
<b>Observed Band</b>	74kD(ACOX1),48kD(ACOX1 mature forms)
<b>Calculated Molecular Weight</b>	74kD
<b>Cell Pathway</b>	Peroxisome .
<b>Tissue Specificity</b>	Widely expressed with highest levels of isoform 1 and isoform 2 detected in testis. Isoform 1 is expressed at higher levels than isoform 2 in liver and kidney while isoform 2 levels are higher in brain, lung, muscle, white adipose tissue and testis. Levels are almost equal in heart.
<b>Function</b>	Involved in the initial and rate-limiting step of peroxisomal beta-oxidation of straight-chain saturated and unsaturated very-long-chain fatty acids . Catalyzes the desaturation of fatty acyl-CoAs such as palmitoyl-CoA (hexadecanoyl-CoA) to 2-trans-enoyl-CoAs ((2E)-enoyl-CoAs) such as (2E)-hexadecenoyl-CoA, and donates electrons directly to molecular oxygen (O(2)), thereby producing hydrogen peroxide (H(2)O(2)) . ; [Isoform 1]: Shows highest activity against medium-chain fatty acyl-CoAs. Shows optimum activity with a chain length of 10 carbons (decanoyl-CoA) in vitro. ; [Isoform 2]: Is active against a much broader range of substrates and shows activity towards long-chain fatty acyl-CoAs.





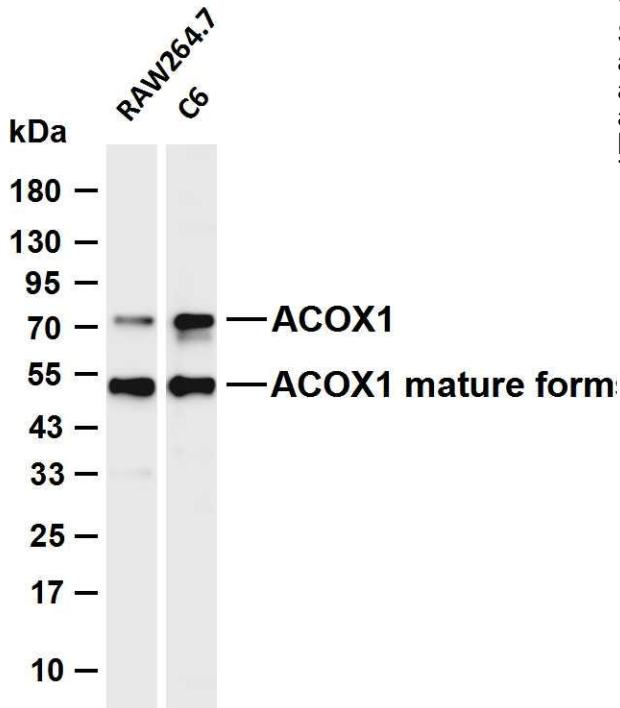
## Background

### matters needing attention

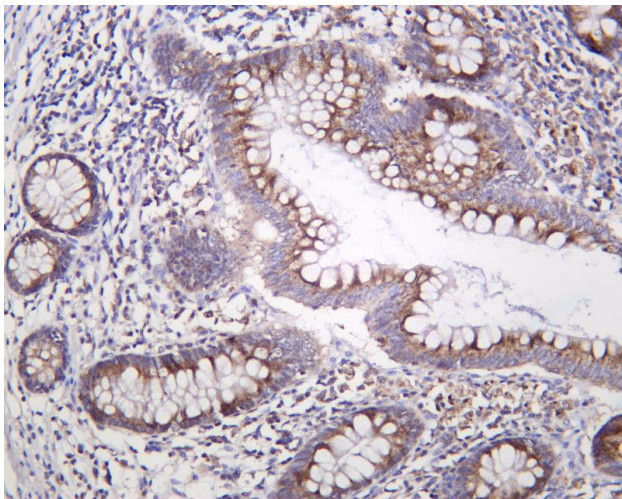
Avoid repeated freezing and thawing!

### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-ACOX1 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: RAW264.7 Lane 2: C6 Predicted band size: 74kDa Observed band size: 74(ACOX1),48(ACOX1 mature forms)kDa



Human appendix was stained with anti-ACOX1 Rabbit antibody

## 杭州臻优品生物科技有限公司

### 热销产品:

蛋白、一抗、抗体对、ELISA试剂盒、生化试剂盒  
CCK8试剂盒、QPCR检测试剂盒

### 检测服务:

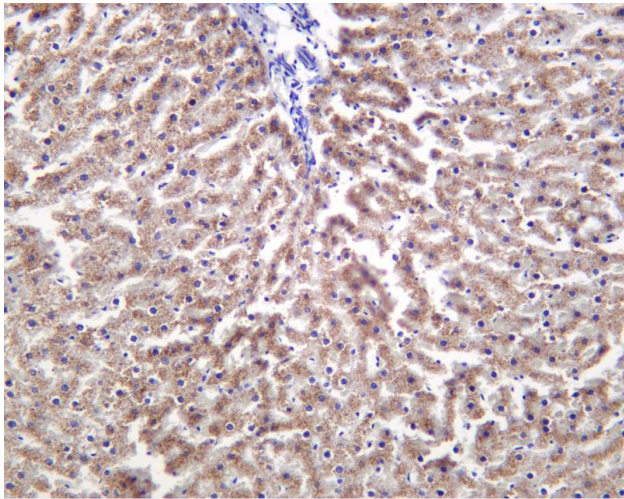
ELISA检测及定制服务 | 生化检测 | PCR、QPCR检测 | WB检测  
ICO-IP检测 | 切片 | 染色 | 免疫组化 | 免疫荧光 | 透射电镜全套  
| 宏基因组、转录组、基因组、蛋白组、代谢组测序



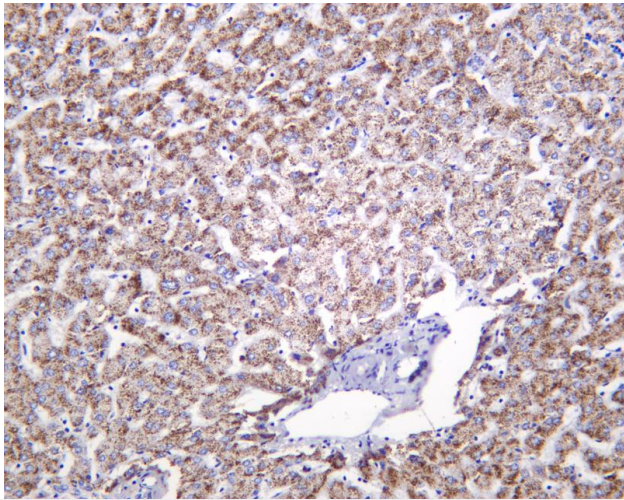
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Rat liver was stained with anti-ACOX1 Rabbit antibody



Human liver was stained with anti-ACOX1 Rabbit antibody

