



# ACOX3 Polyclonal Antibody

<b>Catalog No</b>	BYab-05275
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;;Bovine
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	ACOX3 BRCOX PRCOX
<b>Protein Name</b>	Peroxisomal acyl-coenzyme A oxidase 3 (EC 1.3.3.6) (Branched-chain acyl-CoA oxidase) (BRCACox) (Pristanoyl-CoA oxidase)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 480-560
<b>Specificity</b>	ACOX3 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	77kD
<b>Cell Pathway</b>	Peroxisome .
<b>Tissue Specificity</b>	Liver,Uterus,
<b>Function</b>	catalytic activity:Acyl-CoA + O(2) = trans-2,3-dehydroacyl-CoA + H(2)O(2).,cofactor:FAD.,function:Oxidizes the CoA-esters of 2-methyl-branched fatty acids.,pathway:Lipid metabolism; peroxisomal fatty acid beta-oxidation.,similarity:Belongs to the acyl-CoA oxidase family.,
<b>Background</b>	Acyl-Coenzyme A oxidase 3 also know as pristanoyl -CoA oxidase (ACOX3)is involved in the desaturation of 2-methyl branched fatty acids in peroxisomes. Unlike the rat homolog, the human gene is expressed in very low amounts in liver such that its mRNA was undetectable by routine Northern-blot analysis or its product by immunoblotting or by enzyme activity measurements. However the human cDNA encoding a 700 amino acid protein with a peroxisomal targeting C-terminal tripeptide S-K-L was isolated and is thought to be expressed under

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special conditions such as specific developmental stages or in a tissue specific manner in tissues that have not yet been examined. [provided by RefSeq, Jul 2008],

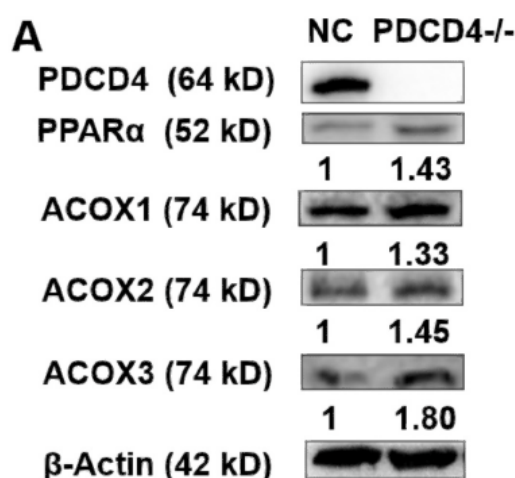
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

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

## Products Images



Pdcd4 promotes lipid deposition by attenuating PPAR $\alpha$ -mediated fatty acid oxidation in hepatocytes Mol Cell Endocrinol. 2022 Apr;545:111562. WB Rat 1:1000 liver