



# ACOX3 Monoclonal Antibody

Catalog No	YP-mAb-05275
Isotype	IgG
Reactivity	Human;Rat;Mouse;;Bovine
Applications	WB
Gene Name	ACOX3 BRCOX PRCOX
Protein Name	Peroxisomal acyl-coenzyme A oxidase 3 (EC 1.3.3.6) (Branched-chain acyl-CoA oxidase) (BRCACox) (Pristanoyl-CoA oxidase)
Immunogen	Synthesized peptide derived from human protein . at AA range: 480-560
Specificity	ACOX3 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	77kD
Cell Pathway	Peroxisome .
Tissue Specificity	Liver,Uterus,
Function	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.,
Background	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 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**