



ACOX2 Monoclonal Antibody

Catalog No	YP-mAb-05274
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ACOX2
Protein Name	Peroxisomal acyl-coenzyme A oxidase 2 (EC 1.17.99.3) (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)
Immunogen	Synthesized peptide derived from human protein . at AA range: 270-350
Specificity	ACOX2 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	74kD
Cell Pathway	Peroxisome .
Tissue Specificity	Present in all tissues tested: heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Most abundant in heart, liver and kidney.
Function	catalytic activity:(25R)-3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholestan-26-oyl-CoA + H(2)O + acceptor = (24R,25R)-3-alpha,7-alpha,12-alpha,24-tetrahydroxy-5-beta-cholestan-26-oyl-CoA + reduced acceptor.,cofactor:FAD.,disease:Absent in patients suffering from Zellweger syndrome.,function:Oxidizes the CoA esters of the bile acid intermediates di- and tri-hydroxycholestanoic acids.,similarity:Belongs to the acyl-CoA oxidase family.,subunit:Heterodimer.,tissue specificity:Present in all tissues tested: heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas. Most abundant in heart, liver and kidney.,
Background	The product of this gene belongs to the acyl-CoA oxidase family. It encodes the branched-chain acyl-CoA oxidase which is involved in the degradation of long branched fatty acids and bile acid intermediates in peroxisomes. Deficiency of this enzyme results in the accumulation of branched fatty acids and bile acid



intermediates, and may lead to Zellweger syndrome, severe mental retardation, and death in children. [provided by RefSeq, Mar 2009],

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